

Product Name	Size	Cat. No.
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Antibodies & Secondary Detection Reagents

Avidin, Streptavidin & Biotin

HRP-Conjugated Streptavidin	0.25 mL	N100
Streptavidin, Alexa Fluor™ 555 Conjugate	0.5 mL	S32355

Primary Antibodies

ZO-1 Monoclonal Antibody (ZO1-1A12)	100 µg	339100
Phospho-JAK1 (Tyr1022, Tyr1023) Polyclonal Antibody	10 blots	44422G
Phospho-PKC lambda/iota (Thr555, Thr563) Polyclonal Antibody	10 blots	44968G
ZO-1 Polyclonal Antibody	100 µg	617300
ATG16L1 Antibody (17H32L7), ABfinity™ Rabbit Monoclonal	100 µg	701685
DNP Polyclonal Antibody, Alexa Fluor 488	500 µL	A11097
OCT4 Monoclonal Antibody (9B7)	100 µg	MA1104
Phospho-Tau (Ser202, Thr205) Monoclonal Antibody (AT8)	100 µg	MN1020
Phospho-Tau (Thr212, Ser214) Monoclonal Antibody (AT100)	100 µg	MN1060
Villin Monoclonal Antibody (CWWB1)	500 µL	MA512227
EpCAM Monoclonal Antibody (323/A3)	500 µL	MA512436
CD31 Monoclonal Antibody (JC/70A)	500 µL	MA513188
Beclin 1 Monoclonal Antibody (2A4)	100 µL	MA515825
SOS1 Monoclonal Antibody (AF3F11)	100 µL	MA517234
c-Fos Polyclonal Antibody	500 µg	PA118329
PLK2 Polyclonal Antibody	400 µL	PA514094
FBXL10 Polyclonal Antibody	100 µL	PA541649
Parvalbumin Polyclonal Antibody	100 µg	PA547693
GREB1L Polyclonal Antibody	100 µL	PA559663
GREB1L Polyclonal Antibody	100 µL	PA560651

Secondary Antibodies

Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP	2 mL	31460
Goat anti-Rat IgG (H+L) Secondary Antibody, HRP	2 mL	31470
Goat anti-Mouse IgG (H+L) Secondary Antibody, DyLight 488	1 mL	35502
Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 568	500 µL	A10042
Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	500 µL	A11001
Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	500 µL	A11008
Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	500 µL	A11029
Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 568	500 µL	A11031
Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 568	500 µL	A11036
Goat anti-Mouse IgM Heavy Chain Cross-Adsorbed Secondary Antibody, Alexa Fluor 568	250 µL	A21043
Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 568	500 µL	A21099
Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 647	500 µL	A21244
Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 555	500 µL	A21422
Goat anti-Mouse IgM Heavy Chain Cross-Adsorbed Secondary Antibody, Alexa Fluor 555	250 µL	A21426
Donkey anti-Sheep IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 647	500 µL	A21448
Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 555	500 µL	A31570
Donkey anti-Chicken IgY Secondary Antibody, FITC	500 µg	SA172000

Product Name	Size	Cat. No.
Beads & Microspheres		
Magnetic Beads Ligand-Coupled		
Dynabeads™ Protein A for Immunoprecipitation	1 mL	10001D
Dynabeads™ Protein A for Immunoprecipitation	5 mL	10002D
Dynabeads™ Streptavidin Trial Kit	4 x 1 mL	65801D
Magnetic Beads Surface-Activated		
Pierce™ NHS-Activated Magnetic Beads	1 mL	88826
Cell Culture & Transfection Reagents		
Antibiotics & Antimycotics		
Gentamicin/Amphotericin Solution	10 x 1 mL	R01510
Geneticin™ Selective Antibiotic (G418 Sulfate) (50 mg/mL)	100 mL	10131027
Carbenicillin, Disodium Salt	5 g	10177012
Ampicillin, sodium salt, irradiated	200 mg	11593027
Penicillin-Streptomycin (5,000 U/mL)	100 mL	15070063
Penicillin-Streptomycin (10,000 U/mL)	20 x 100 mL	15140163
Kanamycin Sulfate	100 mL	15160054
Gibco™ Amphotericin B	50 mL	15290026
Puromycin Dihydrochloride	10 x 1ml	A1113803
Balanced Salt Solutions		
PBS, pH 7.4	10 x 500 mL	10010049
HBSS, calcium, magnesium, no phenol red	500 mL	14025092
HBSS, no calcium, no magnesium, no phenol red	1,000 mL	14175079
HBSS, no calcium, no magnesium, no phenol red	500 mL	14175095
HBSS, no calcium, no magnesium, no phenol red	10 x 500 mL	14175103
HBSS (10X), no calcium, no magnesium, phenol red	500 mL	14180046
DPBS, no calcium, no magnesium	1,000 mL	14190136
PBS Tablets	100 tablets	18912014
PBS (10X), pH 7.2	500 mL	70013032
Basal Media		
DMEM/F-12, GlutaMAX™ supplement	500 mL	10565018
DMEM, high glucose, GlutaMAX™ Supplement	10 x 500 mL	10566024
DMEM, high glucose, GlutaMAX™ Supplement, pyruvate	500 mL	10569010
Advanced RPMI 1640 Medium	10 x 500 mL	12633020
Hams F-12 Nutrient Mix, GlutaMAX™ Supplement	10 x 500 mL	31765092
Cell Culture Supplements		
MEM Non-Essential Amino Acids Solution (100X)	100 mL	11140050
L-Glutamine	100 g	21051024
GlutaMAX™ Supplement	20 x 100 mL	35050079
Insulin-Transferrin-Selenium-Ethanolamine (ITS -X) (100X)	10 mL	51500056
L-Glutamine (200 mM)	100 mL	A2916801

Product Name	Size	Cat. No.
Cell Dissociation Reagents		
Trypsin/EDTA Solution (TE)	100 mL	R001100
Defined Trypsin Inhibitor	100 mL	R007100
TrypLE™ Express Enzyme (1X), no phenol red	500 mL	12604021
TrypLE™ Express Enzyme (1X), phenol red	100 mL	12605010
TrypLE™ Express Enzyme (1X), phenol red	500 mL	12605028
Cell Dissociation Buffer, enzyme-free, PBS	100 mL	13151014
Trypsin (2.5%), no phenol red	100 mL	15090046
Trypsin-EDTA (0.5%), no phenol red	100 mL	15400054
Dispase II, powder	5 g	17105041
Trypsin-EDTA (0.25%), phenol red	100 mL	25200056
Trypsin-EDTA (0.25%), phenol red	500 mL	25200072

Microbiological Media

LB Broth	1 L	10855001
LB Broth	500 mL	10855021
LB Broth Base	500 g	12780052
LB Agar, powder (Lennox L agar)	500 g	22700025

Serum

Fetal Bovine Serum, certified, heat inactivated, United States	500 mL	10082147
Fetal Bovine Serum, certified, United States	500 mL	16000044
Horse Serum, New Zealand origin	500 mL	16050122

Serum-Free & Specialty Media

PSC Neural Induction Medium	500 mL	A1647801
EpiLife™ Medium, with 60 µM calcium	500 mL	MEPI500CA

Transfection Reagents

TurboFect Transfection Reagent	1 mL	R0531
TurboFect™ Transfection Reagent	5 x 1 mL	R0532
Oligofectamine™ Transfection Reagent	1 mL	12252011
Lipofectamine™ RNAiMAX Transfection Reagent	0.3 mL	13778030
Lipofectamine™ LTX Reagent with PLUS™ Reagent	1 mL	15338100
Lipofectamine™ Stem Transfection Reagent	0.1 mL	STEM00001
Lipofectamine™ Stem Transfection Reagent	0.3 mL	STEM00003
Lipofectamine™ Stem Transfection Reagent	0.75 mL	STEM00008
Lipofectamine™ Stem Transfection Reagent	1.5 mL	STEM00015

Chromatography Columns, Resins, & Spin Filters

Affinity Columns, Media, & Standards

Pierce™ Protein A/G Agarose	3 mL	20421
NAb™ Protein G Spin Kit, 0.2 mL	10 columns	89949

Spin Filters, Columns, & Purification Plates

Pierce™ Protein Concentrators PES, 100K MWCO, 0.5 mL	25 concentrators	88503
Pierce™ Protein Concentrators PES, 3K MWCO, 0.5 mL	25 concentrators	88512
Pierce™ Protein Concentrators PES, 10K MWCO, 0.5 mL	25 concentrators	88513

Product Name	Size	Cat. No.
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Competent Cells & Strains

Cloning Competent Cells

One Shot™ TOP10 Chemically Competent <i>E. coli</i>	10 reactions	C404010
MAX Efficiency™ DH5α™ Competent Cells	10 reactions	18258012
Subcloning Efficiency™ DH5α™ Competent Cells	40 reactions	18265017

Eukaryotic Cells

Primary Cells

CF1 Mouse Embryonic Fibroblasts, irradiated	2 x 10 ⁶ cells	A34180
CF1 Mouse Embryonic Fibroblasts, irradiated	4 x 10 ⁶ cells	A34181

Gels, Fractionation Strips, & Membranes

Blotting Membranes

Western Blotting Filter Paper, 8 cm x 13.5 cm	100 sheets	84784
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Pre-Cast Protein Gels

NativePAGE™ 3-12% Bis-Tris Protein Gels, 1.0 mm, 10-well	10 gels (1 box)	BN1001BOX
NativePAGE™ 4-16% Bis-Tris Protein Gels, 1.0 mm, 10-well	10 gels (1 box)	BN1002BOX
NuPAGE™ 3-8% Tris-Acetate Protein Gels, 1.0 mm, 10-well	10 gels (1 box)	EA0375BOX
Novex™ pH 3-10 IEF Protein Gels, 1.0 mm, 10-well	5 gels (1 box)	EC6655BOX
NuPAGE™ 4-12% Bis-Tris Protein Gels, 1.0 mm, 15-well	10 gels (1 box)	NP0323BOX
NuPAGE™ 12% Bis-Tris Protein Gels, 1.0 mm, 10-well	10 gels (1 box)	NP0341BOX

Instruments and Equipment

Dialysis Membranes, Tubing, Cassettes & Devices

Slide-A-Lyzer™ Dialysis Cassettes, 2K MWCO, 3 mL	10 cassettes	66203
SnakeSkin™ Dialysis Tubing, 3.5K MWCO, 22 mm	10.5 m	68035
Slide-A-Lyzer™ G2 Dialysis Cassettes, 2K MWCO, 3 mL	10 cassettes	87718
Slide-A-Lyzer™ G2 Dialysis Cassettes, 10K MWCO, 0.5 mL	10 cassettes	87729
SnakeSkin™ Dialysis Tubing, 10K MWCO, 35 mm	10.5 m	88245

Electroporation Instruments & Accessories

Neon™ Transfection System 10 μL Kit	96 x 2 reactions	MPK1096
Neon™ Transfection System 100 μL Kit	96 x 2 reactions	MPK10096

Kits and Assays

cDNA Synthesis, Library, & Cloning Kits

RevertAid First Strand cDNA Synthesis Kit	100 reactions	K1622
SuperScript™ VILO™ cDNA Synthesis Kit	50 reactions	11754050
SuperScript™ III First-Strand Synthesis System	50 reactions	18080051

Cell Analysis Kits

alamarBlue™ HS Cell Viability Reagent	100 mL	A50101
Click-iT™ EdU Alexa Fluor™ 647 Flow Cytometry Assay Kit	50 assays	C10424

Product Name	Size	Cat. No.
DNARNA Detection & Analysis Kits		
Pierce™ Magnetic RNA-Protein Pull-Down Kit	20 reactions	20164
MAGnify™ Chromatin Immunoprecipitation System	24 reactions	492024
DNARNA Purification Kits & Reagents		
GeneJET Plasmid Miniprep Kit	50 preps	K0502
GeneJET Plasmid Miniprep Kit	250 preps	K0503
GeneJET Gel Extraction Kit	50 preps	K0691
RiboPure™ RNA Purification Kit, yeast	50 preps	AM1926
RNAqueous™-Micro Total RNA Isolation Kit	50 preps	AM1931
PureLink™ FFPE RNA Isolation Kit	50 preps	K156002
PureLink™ HiPure Plasmid Maxiprep Kit	25 preps	K210007
PureLink™ HiPure Plasmid Filter Midiprep Kit	25 preps	K210014
PureLink™ HiPure Plasmid Filter Maxiprep Kit	25 preps	K210017
TRIzol™ Reagent	100 mL	15596026
Mass Spectrometry Sample Preparation Kits		
Pierce™ Quantitative Fluorometric Peptide Assay	500 assays	23290
Pierce™ High pH Reversed-Phase Peptide Fractionation Kit	12 reactions	84868
Pierce™ Peptide Desalting Spin Columns	50 columns	89851
High-Select™ Fe-NTA Phosphopeptide Enrichment Kit	30 reactions	A32992
Mass Tagging Systems for Proteomics		
TMTsixplex™ Isobaric Label Reagent Set, 1 x 0.8 mg	1 x 0.8 mg (per tag)	90061
TMTsixplex™ Isobaric Label Reagent Set, 2 x 0.8 mg	2 x 0.8 mg (per tag)	90062
Protein Analysis Kits		
Ionic Detergent Compatibility Reagent for Pierce™ 660nm Protein Assay Reagent	5 x 1 g	22663
Pierce™ Bovine Serum Albumin Standard, 2 mg/mL	50 mL	23210
Pierce™ Microplate BCA Protein Assay Kit - Reducing Agent Compatible	275 mL	23252
Lab Reagents and Chemicals		
Cell Lysis & Organelle Isolation Reagents		
Halt™ Phosphatase Inhibitor Cocktail	5 x 1 mL	78426
Halt™ Protease Inhibitor Cocktail, EDTA-Free (100X)	5 mL	78437
Halt™ Protease Inhibitor Cocktail, EDTA-Free (100X)	10 mL	78439
Halt™ Protease and Phosphatase Inhibitor Cocktail (100X)	1 mL	78440
Halt™ Protease and Phosphatase Inhibitor Cocktail, EDTA-free (100X)	1 mL	78441
M-PER™ Mammalian Protein Extraction Reagent	250 mL	78501
NE-PER™ Nuclear and Cytoplasmic Extraction Reagents	15 ml	78833
RIPA Lysis and Extraction Buffer	250 mL	89901
ACK Lysing Buffer	100 mL	A1049201
DNARNA Storage & Nuclease Control Reagents		
RNAlater™ Stabilization Solution	500 mL	AM7021
DNAzap™ PCR DNA Degradation Solutions	250 mL	AM9890

Product Name	Size	Cat. No.
Electrophoresis Reagents & Buffers		
Restore™ PLUS Western Blot Stripping Buffer	500 mL	46430
DNA Gel Loading Dye (6X)	5 x 1.0 mL	R0611
NativePAGE™ Sample Buffer (4X)	10 mL	BN2003
NativePAGE™ 5% G-250 Sample Additive	0.5 mL	BN2004
NuPAGE™ Tris-Acetate SDS Running Buffer (20X)	500 mL	LA0041
Novex™ Tris-Glycine Transfer Buffer (25X)	500 mL	LC3675
Novex™ pH 3-10 IEF Buffer Kit, <i>Includes LC5300, LC5310, LC5311</i>	1 kit	LC5317
NuPAGE™ MOPS SDS Running Buffer (20X)	500 mL	NP0001
UltraPure™ TAE Buffer, 10X	1 L	15558042
UltraPure™ TBE Buffer, 10X	1 L	15581044
Fixation & Permeabilization Reagents		
Fluoromount-G™	25 mL	00-4958-02
General Buffers for Life Science		
TE, pH 8.0, RNase-free	500 mL	AM9849
Tris (1 M), pH 7.0, RNase-free	500 mL	AM9851
UltraPure™ 1M Tris-HCl, pH 8.0	1 L	15568025
HEPES (1 M)	100 mL	15630080
General Chemicals for Life Science		
EDTA (0.5 M), pH 8.0, RNase-free	500 mL	AM9261
EDTA (0.5 M), pH 8.0, RNase-free	1 L	AM9262
IPTG (Dioxane-Free)	5 g	AM9464
KCl (2 M), RNase-free	100 mL	AM9640G
UltraPure™ Tris Hydrochloride	500 g	15506017
UltraPure™ Glycine	500 g	15527013
IPTG	1 g	15529019
Microscopy Reagents		
ProLong™ Gold Antifade Mountant with DAPI	10 mL	P36931
Reducing Agents		
DTT (dithiothreitol)	5 g	R0861
NuPAGE™ Sample Reducing Agent (10X)	10 mL	NP0009
Water		
UltraPure™ DEPC-Treated Water	1 L	750023
DEPC-Treated Water	5 x 100 mL	AM9916
Lab Supplies, Plastics, & Glassware		
Plates & Accessories		
Sealing Tape for 96-Well Plates	100 sheets	15036

Product Name	Size	Cat. No.
Tubes, Vials, Jars & Accessories		
Tubes, 0.2 mL, flat cap	1,000 tubes	AB0620
Tubes, 0.2 mL, flat cap, assorted colors	1,000 tubes	AB0622
MicroAmp™ Optical 8-Cap Strips	300 strips	4323032
MicroAmp™ Fast 8-Tube Strip, 0.1 mL	125 strips	4358293
MicroAmp™ 8-Cap Strip, clear	300 strips	N8010535
MicroAmp™ 8-Tube Strip, 0.2 mL	125 strips	N8010580

Labeling & Detection Products

Cell Stains

Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE)	25 mg	T669
7-AAD (7-Aminoactinomycin D)	1 mg	A1310
Propidium Iodide - 1.0 mg/mL Solution in Water	10 mL	P3566
SYTO™ 60 Red Fluorescent Nucleic Acid Stain - 5 mM Solution in DMSO	250 µL	S11342
alamarBlue™ Cell Viability Reagent	25 mL	DAL1025
Propidium Iodide	100 mg	P1304MP
Trypan Blue Solution, 0.4%	100 mL	15250061

Cellular Structure Probes

Rhodamine Phalloidin	300 units	R415
Alexa Fluor™ 594 Phalloidin	300 units	A12381
Alexa Fluor™ 546 Phalloidin	300 units	A22283
CellLight™ Early Endosomes-GFP, BacMam 2.0	1 mL	C10586
CellLight™ Golgi-RFP, BacMam 2.0	1 mL	C10593
CellLight™ Nucleus-GFP, BacMam 2.0	1 mL	C10602
Premo™ FUCCI Cell Cycle Sensor (BacMam 2.0)	2 x 200 µL	P36238

Conjugated Biomolecules

Pierce™ Bovine Serum Albumin, Biotinylated	25 mg	29130
Calcein, AM, cell-permeant dye	1 mg	C1430

Enzyme Substrates

Pierce™ ECL Western Blotting Substrate	500 mL	32106
SuperSignal™ West Dura Extended Duration Substrate	100 mL	34075
X-Gal Solution, ready-to-use	10 mL	R0941
X-Gal	1 g	15520018

Labels & Labeling Kits

EZ-Link™ Phosphine-PEG3-Biotin	10 mg	88901
Alexa Fluor™ 594 NHS Ester (Succinimidyl Ester)	3 x 100 µg	A37572
Zenon™ Alexa Fluor™ 647 Rabbit IgG Labeling Kit	1 kit	Z25308

Oligos, Primers, Probes & Nucleotides

Nucleotides

dUTP Solution (100 mM)	0.25 mL	R0133
dTTP Solution (100 mM)	0.25 mL	R0171
NTP Set, 100 mM Solution	4 x 0.25 mL	R0481
EdU (5-ethynyl-2'-deoxyuridine)	50 mg	A10044

Product Name	Size	Cat. No.
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Proteins, Enzymes, & Peptides

Enzyme Inhibitors

Pierce Protease and Phosphatase Inhibitor Mini Tablets	20 tablets	A32959
Pierce Protease and Phosphatase Inhibitor Mini Tablets,EDTA-free	20 tablets	A32961
RiboLock RNase Inhibitor (40 U/μL)	2,500 units	EO0381

Extracellular Matrix Proteins

Vitronectin (VTN-N) Recombinant Human Protein, Truncated	1 mL	A14700
Collagen I Bovine Protein	10 mL	A1064401

PCR & Cloning Enzymes

Proteinase K Solution, ChIP grade	0.25 mL	26160
Phusion High-Fidelity DNA Polymerase (2 U/μL)	500 units	F530L
Phusion High-Fidelity DNA Polymerase (2 U/μL)	100 units	F530S
Phusion Hot Start II DNA Polymerase (2 U/μL)	100 units	F549S
DreamTaq Green PCR Master Mix (2X)	200 reactions	K1081
Ambion™ DNase I (RNase-free)	2,000 units	AM2222
T4 DNA Ligase, HC (30 U/μL)	5,000 units	EL0013
T4 DNA Ligase (5 U/μL)	200 units	EL0014
DNase I, RNase-free (1 U/μL)	1,000 units	EN0521
Proteinase K, recombinant, PCR grade	1 mL	EO0491
T4 beta-glucosyltransferase	500 units	EO0831
Taq DNA Polymerase, recombinant (5 U/μL)	100 units	EP0401
Taq DNA Polymerase, recombinant (5 U/μL)	500 units	EP0402
DreamTaq DNA Polymerase (5 U/μL)	500 units	EP0702
DreamTaq DNA Polymerase (5 U/μL)	5 x 500 units	EP0703
HpaII (10 U/μL)	1,000 units	ER0511
MspI (HpaII) (10 U/μL)	3,000 units	ER0541
FastDigest EcoRI	800 reactions	FD0274
FastDigest Bpil	20 reactions	FD1014
FastDigest BshTI	20 reactions	FD1464

Standards, Ladders & Controls

DNARNA Ladders

GeneRuler 100 bp DNA Ladder, ready-to-use	50 μg	SM0243
GeneRuler 1 kb DNA Ladder	5 x 50 μg	SM0311
GeneRuler 1 kb DNA Ladder, ready-to-use	5 x 50 μg	SM0313
GeneRuler 100 bp Plus DNA Ladder, ready-to-use	50 μg	SM0323
GeneRuler 50 bp DNA Ladder	50 μg	SM0371
GeneRuler 1 kb Plus DNA Ladder, ready-to-use	5 x 50 μg	SM1333
100 bp DNA Ladder	50 μg	15628019

Instrument Calibration Kits, Standards & Reagents

Pierce™ Peptide Retention Time Calibration Mixture	200 μL	88321
Pierce™ HeLa Protein Digest Standard	5 x 20 μg	88329

Product Name	Size	Cat. No.
Protein Standards & Ladders		
PageRuler™ Unstained Protein Ladder	2 x 250 µL	26614
PageRuler™ Prestained Protein Ladder, 10 to 180 kDa	2 x 250 µL	26616
Spectra™ Multicolor Broad Range Protein Ladder	2 x 250 µL	26634
IEF Marker 3-10	500 µL	3921201