

# True story:

## TrueCut Cas9 proteins deliver maximum CRISPR editing efficiency

### Achieve your research goals with next-generation Cas9 proteins

Invitrogen™ and Gibco™ TrueCut™ Cas9 proteins are designed to deliver consistently higher editing efficiency across a wide range of gene targets and cell types. We now offer three versions of our leading Cas9 protein to better meet your genome editing goals:



	<b>Invitrogen™ TrueCut™ Cas9 Protein v2</b>	<b>Invitrogen™ TrueCut™ HiFi Cas9 Protein</b>	<b>Gibco™ CTS™ TrueCut™ Cas9 Protein</b>
<b>Description:</b>	A next-generation wild-type Cas9 protein designed to deliver maximum editing efficiency	A Cas9 variant engineered with improved specificity by significantly reducing off-target effects while maintaining high editing efficiency	The same wild-type Cas9 protein, now available in a Gibco™ Cell Therapy Systems (CTS™) formulation for larger scales
<b>Intended for:</b>	Most common research applications	Experiments that are sensitive to off-target effects	Clinical research requiring Cas9 protein manufactured with more stringent specifications
<b>Key benefits:</b>	<ul style="list-style-type: none"> <li>• <b>Exceptional editing efficiency</b>—consistently high on-target editing efficiency in all tested cell lines including standard, primary, stem, and immune (&gt;90% editing in T cells)</li> <li>• <b>Superior performance</b>—up to 2x higher editing efficiency in difficult targets compared to the competition</li> <li>• <b>High quality</b>—manufactured under strict ISO 13485 quality standards</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Increased specificity</b>—significantly reduce off-target effects in a broad range of cell types including primary, stem, and immune cells</li> <li>• <b>High editing efficiency</b>—maintained high on-target editing efficiency of the TrueCut Cas9 Protein v2</li> <li>• <b>High quality</b>—manufactured under strict ISO 13485 quality standards</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Exceptional performance</b>—consistently high performance in all tested cell lines (&gt;90% editing in T cells)</li> <li>• <b>Higher stringency manufacturing</b>—manufactured in compliance with standards for Ancillary Materials for Cell and Tissue-Based Products including USP &lt;1043&gt;; Ph.Eur. 5.2.12; and ISO 20399-1, -2, and -3; following the principles of 21 CFR Part 820 in an FDA-registered manufacturing site</li> <li>• <b>Extensive safety testing</b>—including sterility, endotoxin, mycoplasma, residual host nucleic acids, and proteins</li> </ul>

## Ordering information

Description	Quantity	Concentration	Cat. No.
TrueCut Cas9 Protein v2	10 µg	1 mg/mL	A36496
	25 µg	1 mg/mL	A36497
	100 µg	5 mg/mL	A36498
	500 µg	5 mg/mL	A36499
TrueCut HiFi Cas9 Protein	10 µg	1 mg/mL	A50574
	25 µg	1 mg/mL	A50575
	100 µg	5 mg/mL	A50576
	500 µg	5 mg/mL	A50577
CTS TrueCut Cas9 Protein	2.5 mg	10 mg/mL	A45220
	5.0 mg	10 mg/mL	A45221

Find out more at [thermofisher.com/cas9](https://thermofisher.com/cas9)