

Team up

Team up with great reagents and resources for your cloning and modifying enzyme workflows. Whatever your downstream applications are, it is critical to use reliable high-quality, high-purity reagents in your experiments. Here is a guide to help your team produce reliable results faster!



To produce pure plasmid quickly, use Thermo Scientific™ GeneJET™ plasmid purification kits with short, simple protocols to enable easy isolation.

thermofisher.com/genejet



An all-inclusive cloning kit that comes with primers and a control, the Thermo Scientific™ CloneJET™ PCR Cloning Kit uses a positive selection system that yields 99% recombinant clones in 5 minutes.

thermofisher.com/clonejet

Spotlight

Check out our online collection of spotlight articles that highlight technical tips and tricks for your cloning and modifying enzyme workflows.

Articles include:

- 5 screening methods every scientist should know
- 5 cloning shortcuts
- How Type IIS restriction enzymes can streamline your cloning

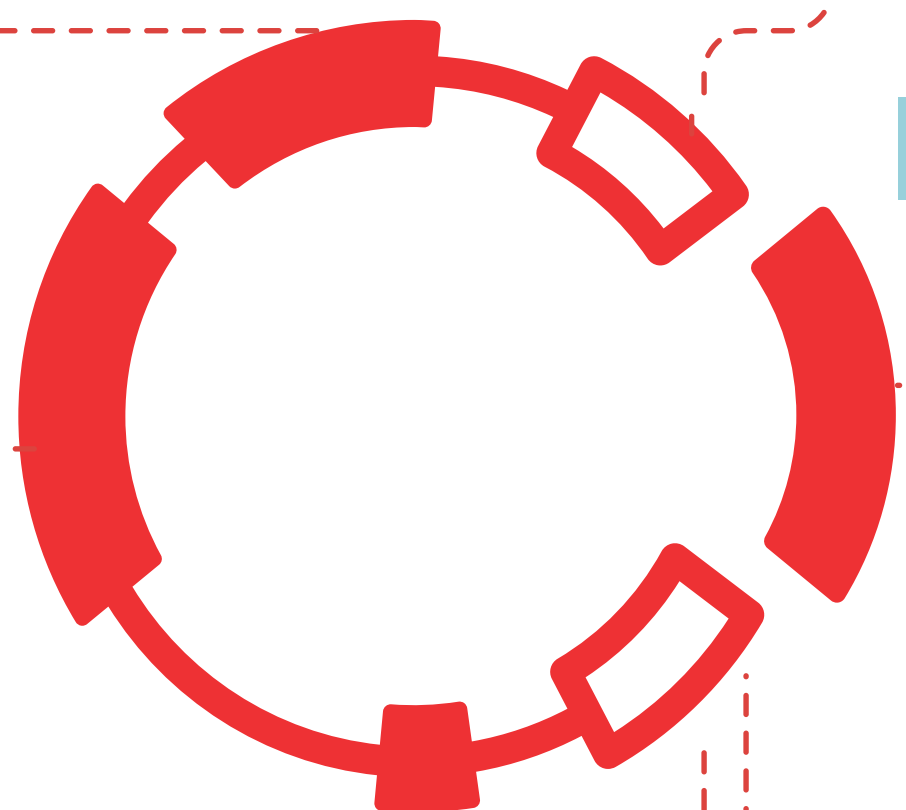
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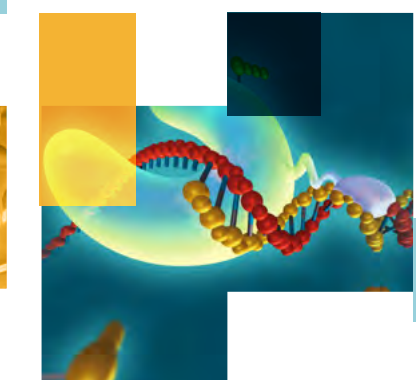
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Make your vector and insert a great team!



DNA/RNA-modifying enzymes, such as ligases, phosphatases, kinases, and DNA polymerases, have 100% activity in buffers designed for Thermo Scientific™ FastDigest™ restriction enzymes. Therefore, enzymes used in downstream applications can be directly added to the reaction mix. No buffer changes or purification steps are needed.

thermofisher.com/fastdigest



Meet our newest team members!

Our new Thermo Scientific™ DH10B, DH5α, and BL21(DE3) competent cells are produced with stringent quality control to offer reliable, consistent performance in cloning workflows. Thermo Scientific™ DH10B competent cells are also available in the CloneJET PCR Cloning Kit and the Phusion Site-Directed Mutagenesis Kit.

thermofisher.com/competentcells

Efficient ligation is key to cloning success. The Thermo Scientific™ Rapid DNA Ligation Kit enables fast, efficient sticky-end or blunt-end DNA ligation in only 5 minutes at room temperature.

thermofisher.com/rapidligation

To prevent recircularization of your linearized plasmid during ligation, use Thermo Scientific™ FastAP™ Alkaline Phosphatase, which is active in all Thermo Scientific™ restriction enzyme buffers and PCR buffers. It dephosphorylates all types of DNA ends (blunt, 5' and 3' overhangs) in 10 minutes at 37°C.

thermofisher.com/fastap

To preserve the sequence accuracy of your insert, use a high-fidelity DNA polymerase such as Thermo Scientific™ Phusion™ High-Fidelity DNA Polymerase to amplify your insert. If you are introducing point mutations, insertions, or deletions, the Thermo Scientific™ Phusion™ Site-Directed Mutagenesis Kit is a versatile and efficient tool.

thermofisher.com/phusion

