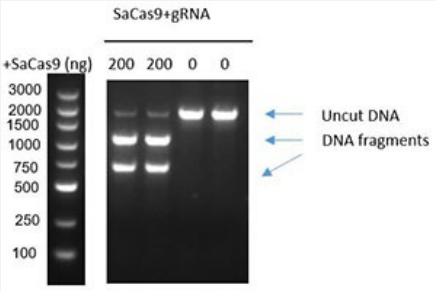
SaCas9 2NLS Nuclease

Catalog # P7093 Size 1 mg

Applications



A 20 uL reaction in 1xSaCas9 Nuclease Reaction Buffer containing linearized plasmid, gRNA, and SaCas9 2NLS Nuclease for 2 hours at 37°C results in a digestion efficiency of linearized plasmid higher than 90%, as determined by agarose gel electrophoresis.

Specification

Product Description	Recombinant *Streptococcus aureus* tag-free Cas9 nuclease expressed in an *Escherichia coli* with b oth N-terminal and C-terminal nucleic localization signal (NLS).
Host	Escherichia coli
Theoretical MW (kDa)	~130 kDa
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	≥ 95% as analyzed by SDS-PAGE ≥ 90% as analyzed by SEC-HPLC
Endotoxin Level	≤ 10 EU/mg as analyzed by gel clotting method
Quality Control Testing	Cleavage assay A 20 uL reaction in 1xSaCas9 Nuclease Reaction Buffer containing linearized plasmid, gRNA, and S aCas9 2NLS Nuclease for 2 hours at 37°C results in a digestion efficiency of linearized plasmid high er than 90%, as determined by agarose gel electrophoresis.
Recommend Usage	CRISPR Genomic editing The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris, 300 mM NaCl, 0.1 mM TCEP, pH7.5 (50% glycerol).

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- CRISPR Genomic Editing

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