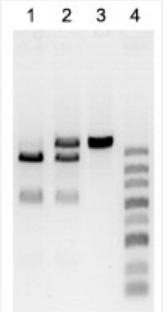
Bioactive

NLS-Cas9-NLS nuclease

Catalog # P7055 Size 100 ug

Applications



Electrophoresis

Electrophoresis DNA cleavage assay with NLS-Cas9-NLS nuclease. Input DNA is EcoRV-linearized pUC57 plasmid DNA. (1) DNA + gRNA + 50 ng Cas9 (2) DNA +gRNA +25 ng Cas9 (3) DNA +gRNA

Specification

Product Description	Recombinant *Streptococcus pyogenes* Cas9 (wt) protein expressed in an *E. coli* with both N- and C-terminal nucleic localization signal (NLS).
Form	Liquid
Preparation Method	*E. coli* expression system
Purity	≥ 95% by SDS-PAGE
Endotoxin Level	< 0.1 eu/μg
Activity	20 nM CRISPR/Cas9-C-NLS nuclease incubated for 1 hour at 37°C result in 90% digestion of the substrate DNA as determined by agarose gel electrophoresis.
Recommend Usage	CRISPR Genome editing The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM Tris, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50% Glycerol PH 7.4
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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- CRISPR Genomic Editing

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