

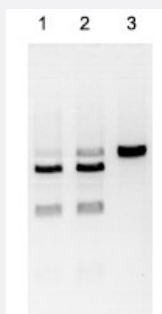
Bioactive

# Cas9-N-NLS nuclease

Catalog # P7054

Size 50 ug

## Applications



### Electrophoresis

Electrophoresis DNA cleavage assay with Cas9-N-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

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

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- CRISPR Genomic Editing