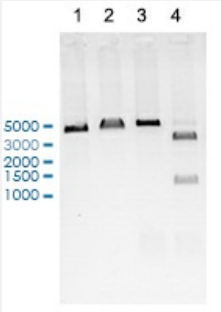
Bioactive

# Cas9-C-NLS nuclease

Catalog # P7050 Size 50 ug

## Applications




### Electrophoresis

Electrophoresis DNA cleavage assay with Cas9-C-NLS nuclease. (1) EcoRV-linearized pUC57 plasmid DNA (2) DNA + Cas9 (3) Cas9 + gRNA (4) Cas9 +gRNA + DNA

## Specification

| | |
|---|---|
| **Product Description** | Recombinant *Streptococcus pyogenes* Cas9 (wt) protein expressed in an *E. coli* with a C-terminal n ucleic 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 su bstrate DNA as determined by agarose gel electrophoresis. |
| **Recommend Usage** | CRISPR Genome editing<br>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.<br>Aliquot to avoid repeated freezing and thawing. |

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- Electrophoresis

  Electrophoresis DNA cleavage assay with Cas9-C-NLS nuclease. (1) EcoRV-linearized pUC57 plasmid DNA (2) DNA + Cas9 (3) Cas9 + gRNA (4) Cas9 +gRNA + DNA

- CRISPR Genomic Editing

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