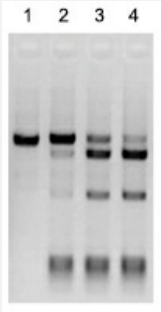
Bioactive

# Cas9 nuclease

Catalog # P7051 Size 10 ug

## Applications




### Electrophoresis

Electrophoresis DNA cleavage assay with Cas9 nuclease. Input DNA is EcoRV-linearized pUC57 plasmid DNA. (1) DNA + gRNA (2) DNA + gRNA + 10 ng Cas9 (3) DNA + gRNA + 25 ng Cas9 (4) DNA + gRNA + 50 ng Cas9

## Specification

| | |
|---|---|
| **Product Description** | Recombinant *Streptococcus pyogenes* Cas9 (wt) protein expressed in an *E. coli* . |
| **Form** | Liquid |
| **Preparation Method** | *E. coli* expression system |
| **Purity** | ≥ 95% by SDS-PAGE |
| **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<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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- CRISPR Genomic Editing

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