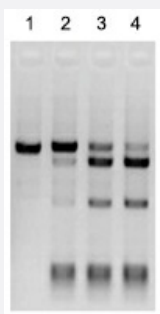


Bioactive

## Cas9 nuclease

Catalog # P7052      Size 50 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 <i>Streptococcus pyogenes</i> Cas9 (wt) protein expressed in an <i>E. coli</i> .                                                             |
| Form                | Liquid                                                                                                                                                   |
| Preparation Method  | <i>E. coli</i> 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.                                                                                       |

## Applications

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- CRISPR Genomic Editing