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Datasheet for ABIN7506274
CRISPR-Cas9 (Active) Protein

Overview

Quantity:	10 µg
Target:	CRISPR-Cas9
Origin:	Streptococcus pyogenes
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Genome Editing with Engineered Nucleases (GEEN), Electrophoresis (EP)

Product Details

Purpose:	Cas9 nuclease
Characteristics:	Recombinant <i>Streptococcus pyogenes</i> Cas9 (wt) protein expressed in an <i>E. coli</i> .
Purification:	E. coli expression system
Biological Activity Comment:	20 nM CRISPR/Cas9-C-NLS nuclease incubated for 1 hour at 37°C <i>result in 90% digestion of the substrate DNA as determined by agarose gel electrophoresis.</i>

Target Details

Target:	CRISPR-Cas9
Alternative Name:	Cas9 nuclease

Application Details

Application Notes: CRISPR Genome editing
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 10 mM Tris, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50 % Glycerol PH 7.4

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C