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Datasheet for ABIN7509364
CRISPR-Cas9 protein (NLS)

Overview

Quantity:	100 µg
Target:	CRISPR-Cas9
Origin:	Streptococcus aureus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	NLS
Application:	Genome Editing with Engineered Nucleases (GEEN)

Product Details

Purpose:	SaCas9 2NLS Nuclease
Characteristics:	Recombinant <i>Streptococcus aureus</i> tag-free Cas9 nuclease expressed in an <i>Escherichia coli</i> with both N-terminal and C-terminal nucleic localization signal (NLS).
Purification:	Escherichia coli expression system
Endotoxin Level:	10 EU/mg as analyzed by gel clotting method

Target Details

Target:	CRISPR-Cas9
Alternative Name:	Cas9 nuclease

Application Details

Application Notes:	CRISPR Genomic editing The optimal working dilution should be determined by the end user.
Assay Procedure:	Cleavage assay: A 20 uL reaction in 1xSaCas9 Nuclease Reaction Buffer containing linearized plasmid, gRNA, and SaCas9 2NLS Nuclease for 2 hours at 37°C results in a digestion efficiency of linearized plasmid higher than 90%, as determined by agarose gel electrophoresis.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 20 mM Tris, 300 mM NaCl, 0.1 mM TCEP, pH 7.5 (50 % glycerol).
Storage:	-20 °C