



Creative Enzymes

Diagnostic Enzymes

Cas9 Nuclease from *Streptococcus pyogenes*

Product Information

Cat#	CAS-0901
Source	E. coli
Description	Cas9 Nuclease cloned from wild-type <i>Streptococcus pyogenes</i> , enables gene modification of hematopoietic stem cells, T cells, etc. Codon optimized, NLS designed, optimized E. coli expression and purification produced via these steps.
Storage	Dry ice shipping, $-20 \pm 5^{\circ}\text{C}$ storage, avoid freeze-thaw
Purity	$\geq 95\%$ (Bis-Tris PAGE/SEC-HPLC)
Buffer	30 mM Tris-HCl, 300 mM NaCl, 0.1 mM EDTA, 50% Glycerol, pH 7.4
Abbr	SpCas9
Applications	Involved in cell and gene therapy drugs (HSC, T cells) Gene Modification.
Appearance	Liquid
Molecular Weight	163 kDa
Species	<i>Streptococcus pyogenes</i>
Concentration	10 mg/ml
Endotoxin Level	≤ 10 EU/mg
Grade	Research Grade

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