

Cas9 Nuclease from *Streptococcus pyogenes*, GMP

Product Information

Cat#	CAS-0902
Source	E. coli
Description	GMP grade Cas9 Nuclease cloned from wild-type <i>Streptococcus pyogenes</i> , enables gene modification of hematopoietic stem cells, T cells, etc. Designed using the unique recombinant protein production platform, codon optimized, NLS designed, optimized E. coli expression and purification, produced under GMP requirements.
Storage	Dry ice shipping, $-20 \pm 5^{\circ}\text{C}$ storage, avoid freeze-thaw
Purity	$\geq 95\%$ (RP-HPLC/SEC-HPLC)
Optimum pH	7.4 ± 0.5
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	9.5-11.5 mg/ml
Endotoxin Level	≤ 10 EU/mg
Grade	GMP Grade