

Cas9 D10A Nickase from *Streptococcus pyogenes*

Product Information

Cat#	CAS-0903
Source	E. coli
Description	Recombinant SpCas9 D10A Nickase cloned from <i>Streptococcus pyogenes</i> , is a Cas9 mutant. With one domain mutated, it retains function of the other domain, specifically nicks the target single strand. Usually used for double nicking on different strands to form double nicking, reducing off-target effects.
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, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50% Glycerol, pH 7.4
Abbr	SpCas9
Applications	Gene Editing
Appearance	Liquid
Molecular Weight	163 kDa
Species	<i>Streptococcus pyogenes</i>
Concentration	10 mg/ml
Endotoxin Level	≤ 10 EU/mg
Grade	Research Grade