



SpCas9-NLS

SpCas9-NLS is an RNA-guided endonuclease from *Streptococcus pyogenes*. Guided by crRNA and tracrRNA (or a sgRNA formed by their fusion), SpCas9-NLS recognizes the region immediately upstream of the PAM sequence (5'-NGG) in double-stranded DNA targets and produces a double-stranded break precisely three nucleotides upstream of the PAM.

SpCas9-NLS is commonly employed for gene editing. To enhance cellular editing efficiency, SpCas9-NLS contains a nuclear localization sequence (NLS) derived from Simian virus 40 (SV40) T antigen on N-termini. Additionally, this product can be utilized for the cleavage of target DNA in vitro and gene cloning, etc.

Catalog No.	518111
Size	100 pmol / 1,000 pmol
Product Category	Gene Editing
Storage/Stability	-20°C / 2 years
Shipping	Gel Packs