

**GeneHero™ Cas9 NLS His-tag, *S. pyogenes* protein**

<b>Catalog number:</b>	GE003
<b>Product:</b>	Cas9 Nuclease, <i>Streptococcus pyogenes</i>
<b>Expressed in:</b>	<i>E. coli</i>
<b>Description:</b>	GeneHero™ Cas9 Nuclease is a recombinant protein, purified for genome engineering experiments. It contains the nuclear localization sequence (NLS), which aids in transport of Cas9 protein to the nucleus, and a 6xHis-tag. Cas9 protein forms a stable complex with sgRNA and can be used for both <i>in vitro</i> and <i>in vivo</i> applications.
<b>Size:</b>	25 µg
<b>Concentration:</b>	1 mg/ml
<b>Storage buffer:</b>	10 mM Tris-HCl , 0.3 M NaCl , 1 mM DTT , 0.1 mM EDTA , 50 % Glycerol, (pH 7.4)
<b>Storage:</b>	-20 °C
<b>Protein tag/fusion:</b>	6xHis-tag
<b>Shelf life:</b>	24 months from the date of manufacture
<b>Quality control:</b>	Each lot is tested by SDS-PAGE for purity, <i>in vitro</i> and <i>in vivo</i> cleavage assays, endonuclease activity, DNase/RNase activity and bacteria/fungi/mycoplasma contamination assessment. Please refer to the CoA for details.

**Citation of product:** If use of this item results in a publication, please use this information: Cas9 Nuclease, *S. pyogenes* (GE003, GeneCopoeia, Inc., Rockville, MD).

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