**GeneHero™ Cas9 NLS, S. pyogenes protein**

**Catalog number:** GE002

**Product:** Cas9 Nuclease, *Streptococcus pyogenes*

**Expressed in:** *E. coli*

**Description:** 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. Cas9 protein forms a stable complex with sgRNA and can be used for both *in vitro* and *in vivo* applications.

**Size:** 100 µg

**Concentration:** 1 mg/ml

**Storage buffer:** 10 mM Tris-HCl, 0.3 M NaCl, 1 mM DTT, 0.1 mM EDTA, 50 % Glycerol, (pH 7.4)

**Storage:** -20 °C

**Protein tag/fusion:** Untagged

**Shelf life:** 24 months from the date of manufacture

**Quality control:** Each lot is tested by SDS-PAGE for purity, *in vitro* and *in vivo* 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 NLS, *S. pyogenes* (GE002, GeneCopoeia, Inc., Rockville, MD).

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