Recombinant Human NGB protein, His & GST-tagged

Cat. No. NGB-2649H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NGB aa. (Met1~Glu151 (Accession # Q9NPG2)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu151
Description	This gene encodes an oxygen-binding protein that is distantly related to members of the globin gene family. It is highly conserved among other vertebrates. It is expressed in the central and peripheral nervous system where it may be involved in increasing oxygen availability and providing protection under hypoxic/ischemic conditions.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.3kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP

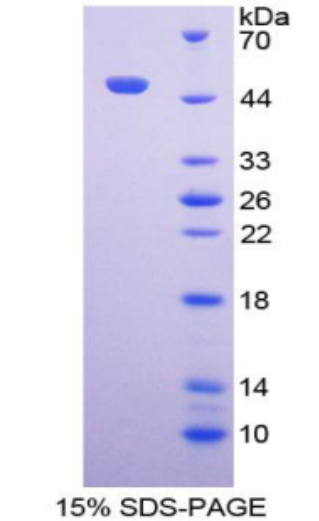
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	NGB neuroglobin [Homo sapiens (human)]
Official Symbol	NGB
Synonyms	NGB; neuroglobin
Gene ID	58157
mRNA Refseq	NM_021257.3
Protein Refseq	NP_067080.1
UniProt ID	Q9NPG2

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SDS-PAGE	 15% SDS-PAGE

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