

## Product datasheet for PH307482

### Neuroglobin (NGB) (NM\_021257) Human Mass Spec Standard

#### Product data:

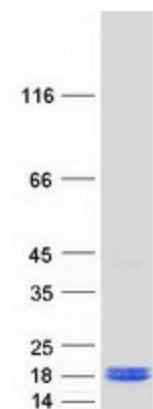
Product Type:	Mass Spec Standards
Description:	NGB MS Standard C13 and N15-labeled recombinant protein (NP_067080)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207482
Predicted MW:	16.9 kDa
Protein Sequence:	>RC207482 protein sequence Red=Cloning site Green=Tags(s)  MERPEPELIRQSWRAVSRSPLEHGTVLFARLFALPDLLPLFQYNCRQFSSPEDCLSSPEFLDHIRKVML VIDAAVTNVEDLSSLEEYLASLGRKHRVGVKLSSTVGESLLYMLEKCLGPAFTPATRAAWSQLYGAV VQAMSRGWDGE  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_067080</u>
RefSeq Size:	1885
RefSeq ORF:	453
Locus ID:	58157
UniProt ID:	<u>Q9NPG2</u> , <u>A0M8W9</u> , <u>F6ZE01</u> , <u>A0A1L1SVG2</u>
Cytogenetics:	14q24.3



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Product images:**

Coomassie blue staining of purified NGB protein (Cat# [TP307482]). The protein was produced from HEK293T cells transfected with NGB cDNA clone (Cat# [RC207482]) using MegaTran 2.0 (Cat# [TT210002]).