

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Recombinant human Neuroglobin / NGB protein

### Product overview

<b>Name</b>	Recombinant human Neuroglobin / NGB protein
<b>Cat No</b>	HB7086
<b>Biological description</b>	Tissue globin with a high affinity for oxygen. It is widely expressed in neurons of vertebrate's CNS and PNS.
<b>Species of origin</b>	Shows neuroprotective effects. human
<b>Alternative names</b>	Recombinant Human Neuroglobin, NGB.
<b>Biological action</b>	Activator
<b>Purity</b>	>95%
<b>Description</b>	Tissue globin widely expressed in neurons CNS and PNS

### Solubility & Handling

<b>Solubility overview</b>	Add 0.2 ml of water and allow the lyophilized material to dissolve
<b>Handling</b>	<ul style="list-style-type: none"><li>• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>• Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>UniProt ID</b>	Q9NPG2
<b>Source</b>	E. Coli.
<b>Appearance</b>	White lyophilized powder (Filtered & freeze-dried)
<b>Formulation</b>	Lyophilized from a filtered 0.5mg/ml solution in 50mM phosphate buffer, 0.1M NaCl (pH 7.2)

### References

#### Neuroglobin: From structure to function in health and disease

Ascenzi P *et al* (2016) Mol Aspects Med 52  
**PubMedID** [27825818](#)

#### Neuroprotective roles and mechanisms of neuroglobin

Yu Z *et al* (2009) Neurol Res 31(2)  
**PubMedID** [19298751](#)

#### Neuroglobin, a Factor Playing for Nerve Cell Survival

Guidolin D *et al* (2016) Int J Mol Sci 17(11)  
**PubMedID** [27809238](#)

