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DATASHEET

Recombinant human Neuroglobin / NGB protein

Product overview

Name Recombinant human Neuroglobin / NGB protein

Cat No HB7086

Biological descriptionTissue globin with a high affinity for oxygen. It is widely expressed in neurons of vertebrate's CNS and

PNS.

Shows neuroprotective effects.

Species of origin human

Alternative names Recombinant Human Neuroglobin, NGB.

Biological action Activator Purity >95%

Description Tissue globin widely expressed in neurons CNS and PNS

Solubility & Handling

Solubility overview

Handling

Add 0.2 ml of water and allow the lyophilized material to dissolve

- 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.
- 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.
- Freeze-thaw cycles should be prevented.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

UniProt ID Q9NPG2 Source E. Coli.

Appearance White lyophilized powder (Filtered & freeze-dried)

Formulation 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)

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Neuroglobin, a Factor Playing for Nerve Cell Survival

Guidolin D et al (2016) Int J Mol Sci 17(11)