9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NGB Human

Neuroglobin Human Recombinant
NTR0046

Product Overview

Name	NGB Human
Description	
Neuroglobin Human Recombinant	
Accession (Primary)	Q9NPG2
Synonyms	
NGB.	
Introduction	
Neuroglobin, 151 amino acid residue protein, mainly expressed in vertebrate brain and retina, is a recently identified member of the globin superfamily. Augmenting O (2) supply, neuroglobin promotes survival of neurons upon hypoxic injury, potentially limiting brain damage. Moreover, neuroglobin may be a novel oxidative stress-responsive sensor for signal transduction in the brain. Neuroglobin expression is increased by neuronal hypoxia in vitro and focal cerebral ischemia in vivo, and neuronal survival after hypoxia is reduced by inhibiting neuroglobin expression with an antisense oligodeoxynucleotide and enhanced by neuroglobin overexpression.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered and lyophilized from 0.5mg/ml in 0.05M phosphate buffer, 0.1M NaCl, pH 7.2.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MERPEPELIR QSWRAVSRSP LEHGTVLFAR LFALEPDLLP LFQYNCRQFS SPEDCLSSPE FLDHIRKVML VIDAAVTNVE DLSSLEEYLA SLGRKHRAVG VKLSSFSTVG ESLLYMLEKC LGPAFTPATR AAWSQLYGAV	

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VQAMSRGWDG E.

Solubility

Add H2O and let the lyophilized pellet dissolve completely.

Precautions

NGB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NPG2)