

Product datasheet for **TP501076**

Ngb (NM_022414) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse neuroglobin (Ngb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201076 protein sequence Red =Cloning site Green =Tags(s)
	 MERPESELIRQSWRVVSRSPLEHGTVLFLARLFALEPSLLPLFQYNGRQFSSPEDCLSSPEFLDHIRKVML VIDAAVTNVEDLSSLEEYLTSLGRKHRAVGVRLSSFSTVGESLLYMLEKCLGPDFTPATRTAWSRLYGAV VQAMSRGWDGE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_071859</u>
Locus ID:	64242
UniProt ID:	<u>Q9ER97</u> , <u>Q5ZPR7</u>
RefSeq Size:	1630
Cytogenetics:	12 D2



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RefSeq ORF: 456

Summary: Involved in oxygen transport in the brain. Hexacoordinate globin, displaying competitive binding of oxygen or the distal His residue to the iron atom. Not capable of penetrating cell membranes. The deoxygenated form exhibits nitrite reductase activity inhibiting cellular respiration via NO-binding to cytochrome c oxidase. Involved in neuroprotection during oxidative stress. May exert its anti-apoptotic activity by acting to reset the trigger level of mitochondrial cytochrome c release necessary to commit the cells to apoptosis.
[UniProtKB/Swiss-Prot Function]