

Product datasheet for **TP306642M**

Cytoglobin (CYGB) (NM_134268) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytoglobin (CYGB), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206642 protein sequence Red =Cloning site Green =Tags(s)

MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSAKQYFSQFKHMEDPL
EMERSPLRKHACRVMGALNTWENLHDPDKVSSVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFA
SDFPPETQRAWAKLRGLIYSHVTAAYKEVGVWVQVNPATTPPATLPSSGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	21.2 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_599030</u>
Locus ID:	114757
UniProt ID:	<u>Q8WWM9</u> , <u>A0A1K0FUB6</u>
RefSeq Size:	2166



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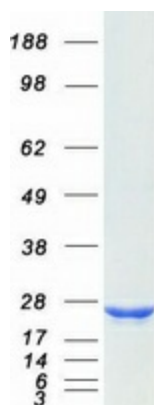
Cytogenetics: 17q25.1

RefSeq ORF: 570

Synonyms: HGB; STAP

Summary: This gene encodes a globin protein found in vertebrate cells. The encoded protein is described as a hexacoordinate hemoglobin which binds ligand differently from the pentacoordinate hemoglobins involved in oxygen transport, and may be involved in protection during oxidative stress. This gene is located on chromosome 17 in the same region as a retinal gene which is mutated in progressive rod-cone degeneration, but in the opposite orientation. [provided by RefSeq, Jan 2012]

Product images:



Coomassie blue staining of purified CYGB protein (Cat# [TP306642]). The protein was produced from HEK293T cells transfected with CYGB cDNA clone (Cat# [RC206642]) using MegaTran 2.0 (Cat# [TT210002]).