

## Product datasheet for TP306642

### Cytoglobin (CYGB) (NM\_134268) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human cytoglobin (CYGB), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC206642 protein sequence  
Red=Cloning site Green=Tags(s)

MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSAKQYFSQFKHMEDPL  
EMERSPLRKHACRVMGALNTWENLHDPDKVSSVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFA  
SDFPPETQRAWAKLRGLIYSHVTAAYKEVGWVQVNPATTPPATLPSSGP

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:** [NP\\_599030](#)

**Locus ID:** 114757

**UniProt ID:** [Q8WWM9](#), [A0A1K0FUB6](#)

**RefSeq Size:** 2166



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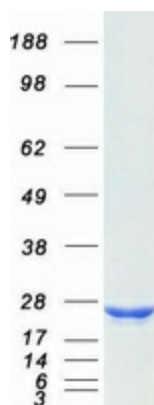
Cytogenetics: 17q25.1

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]).