

## Product datasheet for PH306642

### Cytoglobin (CYGB) (NM\_134268) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CYGB MS Standard C13 and N15-labeled recombinant protein (NP_599030)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206642
Predicted MW:	21.4 kDa
Protein Sequence:	>RC206642 protein sequence Red=Cloning site Green=Tags(s)  MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRRFFVNFPSAKQYFSQFKHMEDPL EMERSPQLRKHACRVMGALNTVVENLHDPDKVSSVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFA SDFPPEQRAWAKLRGLIYSHVTAAYKEVGWVQVQPNATTPPATLPSSGP  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_599030</a>
RefSeq Size:	2166
RefSeq ORF:	570
Synonyms:	HGB; STAP
Locus ID:	114757
UniProt ID:	<a href="#">Q8WWM9</a> , <a href="#">A0A1K0FUB6</a>

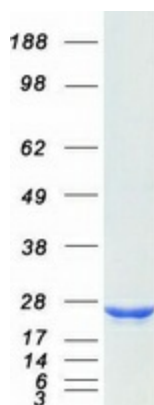


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Cytogenetics: 17q25.1

**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]).