

Recombinant Human CYGB, His-tagged

Cat. No. CYGB-11758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYGB protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-190a.a.
Description	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.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name CYGB cytoglobin [Homo sapiens]

Official Symbol CYGB

Synonyms CYGB; cytoglobin; HGB; histogloblin; STAP; stellate cell activation associated protein; stellate cell activation-associated protein;

Gene ID 114757

mRNA Refseq NM_134268

Protein Refseq NP_599030

MIM 608759

UniProt ID Q8WWM9

Chromosome Location 17q25

Function heme binding; metal ion binding; oxygen binding; oxygen transporter activity; peroxidase activity;

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