

Recombinant Human CYGB Protein, GST-tagged

Cat. No. CYGB-2231H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CYGB full-length ORF (AAH29798, 1 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jan 2012]
Molecular Mass	46.64 kDa
AA Sequence	MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSA KQYFSQFKHMEDPLEMERSPQLRKHACRVMGALNTVVENLHDPDKVSSVLALVGK AHALKHKVPEPVYFKILSGVILEVVAEEFASDFPETQRAWAKLRGLIYSHVTAAYKEV GWVQQVPNATTPPATLPSSGP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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