

Recombinant Human CYGB Protein, His-tagged

Cat. No. CYGB-669H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYGB(Met1~Pro190) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Pro190
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others

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

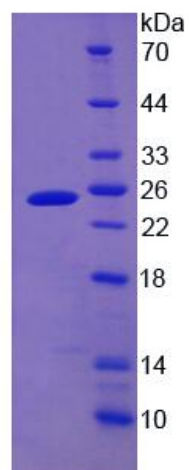
UniProt ID

Q8WWM9

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15% SDS-PAGE

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