

Recombinant Human CYGB

Cat. No. CYGB-7803H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cytoglobin/CYGB is produced with our E. coli expression system. The target protein is expressed with sequence (Met1Pro190) of Human CYGB.
Species	Human
Source	E.coli
Description	Cytoglobin is a ubiquitously globin protein that belongs to the globin family. The highest expressed in heart, stomach, bladder and small intestine. CYGB acts a protector under conditions of oxidative stress. CYGB may be involved in intracellular oxygen storage or transfer, modulates oxygen and nitric oxide metabolism or scavenging free radicals within a cell.
Form	Supplied as a 0.2 µM filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt. Please minimize freezethaw cycles.

GENE INFORMATION

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Gene Name	CYGB cytoglobin [Homo sapiens]
Official Symbol	CYGB
Synonyms	CYGB; cytoglobin; HGB, STAP; histoglobin; stellate cell activation-associated protein
Gene ID	114757
mRNA Refseq	NM_134268.4
Protein Refseq	NP_599030.1
MIM	608759
UniProt ID	Q8WWM9
Chromosome Location	17q25
Function	heme binding; iron ion binding; oxygen binding; oxygen transporter activity; peroxidase activity