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## Datasheet for ABIN7318388 CYGB Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CYGB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYGB protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cytoglobin/CYGB Protein (His Tag)
Sequence:	Met 1-Pro190
Characteristics:	Recombinant Human Cytoglobin is produced by our E.coli expression system and the target gene encoding Met1-Pro190 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CYGB
Alternative Name:	Cytoglobin/CYGB ( <a href="#">CYGB Products</a> )
Background:	Background: 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,

## Target Details

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modulates oxygen and nitric oxide metabolism or scavenging free radicals within a cell.

Synonym: Cytoglobin, Histoglobin, HGb, Stellate Cell Activation-Associated Protein, CYGB, STAP

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Molecular Weight: 22.4 kDa

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UniProt: [Q8WWM9](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Frozen, Liquid

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Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 10 % Glycerol, pH 8.0 .

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Storage: -20 °C

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Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

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