

Recombinant Human Cytoglobin/CYGB Protein (His Tag)

Catalog No. PKSH032337

Note: Centrifuge before opening to ensure complete recovery of vial contents.

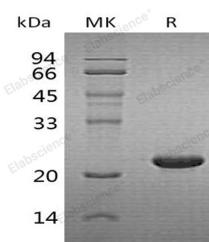
Description

Synonyms	Cytoglobin;Histoglobin;HGb;Stellate Cell Activation-Associated Protein;CYGB;STAP
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro190
Accession	Q8WWM9
Calculated Molecular Weight	22.4 kDa
Observed molecular weight	22 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

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

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