



Recombinant Protein Technical Manual
Recombinant Human Cytoglobin/CYGB Protein (His
Tag)
RPES1978

Product Data:

Product SKU: RPES1978

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q8WWM9

Protein Information:

Molecular Mass: 22.4 kDa

AP Molecular Mass: 22 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 10% Glycerol, pH 8.0 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cytoglobin; Histoglobin; HGb; Stellate Cell Activation-Associated Protein; CYGB; STAP

Immunogen Information:

Sequence: Met 1-Pro190

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.