

## 32-7106: Recombinant Human Cytoglobin/CYGB (C-6His)

**Gene :** CYGB  
**Gene ID :** 114757  
**Uniprot ID :** Q8WWM9

### Description

Source: E.coli.  
MW :22.44kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MEKVPGEMEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSAKQYFSQFKHMEDPLEME  
RSPQLRKHACRVMGALNTVVENLHDPDKVSSVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFASDFPPET  
QRAWAKLRGLIYSHVTAAYKEVGWVQVQPNATTPPATLPSSGPLEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.