

## 32-3645: CYGB Recombinant Protein

**Alternative Name :** HGB,STAP,Cytoglobin,CYGB.

### Description

Source : Escherichia Coli. CYGB Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-190 a.a.) and having a molecular mass of 23.5kDa. The CYGB is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Cytoglobin is a globin protein found in the brain and is mainly utilized in marine mammals. CYGB acts as a protector under conditions of hypoxia. The suggested function of CYGB is the modulation of oxygen and nitric oxide metabolism or scavenging free radicals within a cell.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	CYGB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MEKVPGEI ERRERSEELS EAERKAVQAM WARLYASCED VGVAIVRFF VNFPSAKQYF SQFKHMDPL EMERSPLRK HACRVMGALN TVVENLHDPD KVSSVLALVG KAHALKHKVE PVYFKILSGV ILEVVAEEFA SDFPPETQRA WAKLRGLIYS HVTAAYKEVG WVQQVPNATT PPATLPSSGP.

