

**CYGB, 1-190aa, Human, His tag, E.coli**

**Cat.NO.: TP01814**

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3th Edition

**Synonyms:**Cytoglobin, HGB, STAP

**Description:**CYGB is a globin molecule located in the brain and most notably utilized in marine animals. The predicted function of cytoglobin thought to be a method of protection under conditions of hypoxia.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**23.5 kDa(210aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMEKVPGEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSAKQYEMERSPQLRKHACRVMGALNTVVENLHDPDKVSSVLALVGKAHALKHKVEHVTAAYKEVGWVQVQPNATTPPATLPSSGPMKVPGEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAILVRFFVNFPSAKQYDPKVS SVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFASDFPETQRAWAKLRGLIYSTVVRPGLAMALSGSTEPCAQLS ISSIGVVGVT

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.