

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

Cat.NO.: TP01814

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:

MGSSHHHHHHSSGLVPRGSHMEKVPGEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAIVRFFVNFP
SAKQYEMERSPQLRKHACRVMGALNTVVENLHDPDKVSSVLALVGKAHALKHKVEHVTAAYKEVGWVQQVPNAT
TPPATLPSSGPMKVPGEIERRERSEELSEAERKAVQAMWARLYASCEDVGVAIVRFFVNFP
SAKQYDPKVS
SVLALVGKAHALKHKVEPVYFKILSGVILEVVAEEFASDFPETQRAWAKLRGLIYSTVRPGLAMALSGSTEPCAQLS
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.