

CYGB Human

Description: CYGB Recombinant E.coli 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 23.5 kDa. The CYGB is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-849

For research use only.

Synonyms: HGB, STAP, Cytoglobin, CYGB.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MEKVPGEMEI ERRERSEELS
EAERKAVQAM WARLYASCED VGVAILVRFF VNFPSAKQYF SQFKHMDPL EMERSPQLRK
HACRVMGALN TVVENLHDPD KVSSVLALVG KAHALKHKVE PVYFKILSGV ILEVVAEEFA
SDFPPETQRA WAKLRGLIYS HVTAAAYKEVG WVQQVPNATT PPATLPSSGP.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

CYGB Human solution containing 20mM Tris HCL pH-8, & 10% glycerol.

Stability:

CYGB Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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