
Product Data Sheet

Product Name: CYGB Human
 Cat. No.: GP23285
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HGB; STAP; Cytoglobin; CYGB.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEKVPGEMEI ERRERSEELS EAERKAVQAM WARLYASCED VGVAILVRFF VNFPSAKQYF SQFKHMEDPL EMERSPQLRK HACRVMGALN TVVENLHDPD KVSSVLALVG KAHALKHKVE PVYFKILSGV ILEVVAEEFA SDFPPETQRA WAKLRGLIYS HVTAAYKEVG WVQQVNPATT PPATLPSSGP.		
Formulation	CYGB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.		

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA