
Product Data Sheet

Product Name: GRHPR Human
 Cat. No.: GP21730
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 1.1.1.79; GLXR; GLYD; GRHPR; PH2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MRPVRLMKVF VTRRIPAAGR VALARAADCE VEQWDSDEPI PAKELERGVA GAHLLCLLS DHVDKRILDA AGANLKVIST MSVGIDHLAL DEIKKRGIRV GYTPDVLTD TAE LAVSLLL TTCRRLPEAI EEVKNGGWTS WKPLWLCGYG LTQSTVGIIG LGRIGQAIAR RLKPFQVQRF LYTGRQPRPE EAAEFQAEFV STPELAAQSD FIVVACSLTP ATEGLCNKDF FQMKKETAVF INISRGDVVN QDDLYQALAS GKIAAAGLDV TSPEPLPTNH PLLTLKNCVI LPHIGSATHR TRNTMSLLAA NLLAGLRGE PMPSELKL.		
Formulation	The GRHPR solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 5mM DTT and 0.2M NaCl.		

Introduction

GRHPR located in the cytosol, belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. GRHPR is widely expressed in liver. GRHPR has widespread tissue expression and is involved in metabolism. GRHPR is an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities.

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

GRHPR Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide

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

Product Data Sheet

chain containing 348 amino acids (1-328 a.a.) and having a molecular mass of 37.8 kDa. The GRHPR is fused to a20 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