

Recombinant Human GRHPR, His-tagged

Cat. No. GRHPR-2491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GRHPR protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 37.8 kDa (348aa).
Species	Human
Source	E.coli
Description	GRHPR, also known as GLXR, is a member of the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. Localizing to the cytosol, GRHPR is ubiquitously expressed with highest expression levels found in liver. The protein has widespread tissue expression and has a role in metabolism. GRHPR is an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MRPVRLMKVF VTRRIPAEGR VALARAADCE VEQWDSDEPI PAKELERGVA GAHGLLCLLS DHVDKRILDA AGANLKVIST MSVGIDHLAL DEIKKR GIRV GYTPDVLTDT TAE LAVSLLL TTCRRLPEAI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EEVKNGGWTS WKPLWLCGYG LTQSTVGIIG LGRIGQAIAR RLKPFGVQRF
 LYTGRRPRPE EAAEFQAEFV STPELAAQSD FIVVACSLTP ATEGLCNKDF
 FQKMKETAVF INISRGDVVN QDDLYQALAS GKIAAAGLDV TSPEPLPTNH
 PLLTLKNCVI LPHIGSATHR TRNTMSLLAA NNLLAGLRGE PMPSELKL.

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.

GENE INFORMATION
Gene Name

GRHPR glyoxylate reductase/hydroxypyruvate reductase [Homo sapiens]

Synonyms

glyoxylate reductase/hydroxypyruvate reductase; PH2; GLXR; GLYD; GRHPR;
 glyoxylate reductase/hydroxypyruvate reductase; glycerate-2-dehydrogenase; EC
 1.1.1.79

Gene ID

9380

mRNA Refseq

NM_012203

Protein Refseq

NP_036335

MIM

604296

UniProt ID

Q9UBQ7

**Chromosome
Location**

9q12

Pathway

Glyoxylate and dicarboxylate metabolism; Metabolic pathways; Pyruvate metabolism

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

NAD or NADH binding; cofactor binding; glycerate dehydrogenase activity; glyoxylate reductase (NADP) activity; hydroxypyruvate reductase activity; oxidoreductase activity; protein binding

**PDB rendering based
on 2gcg.**

