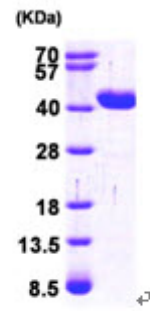


AR09514PU-N**Human GRHPR (1-328, His-tag) - Purified**

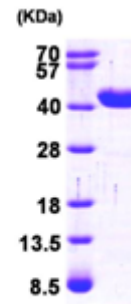
Alternate names:	GLXR, Glyoxylate reductase/hydroxypyruvate reductase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	GRHPR, also known as GLXR, is a member of the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. Localizing to the cytosol, GRHPR is 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.
Uniprot ID:	Q9UBQ7
NCBI:	NP_036335
GeneID:	9380
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 5 mM DTT, 20% glycerol
Description:	Recombinant human GRHPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MRPVRLMKVF VTRRIPAEGR VALARAADCE VEQWDSDEPI PAKELERGVA GAHLLCLLS DHVDKRILDA AGANLKVIST MSVGIDHLAL DEIKKRGIRV GYTPDVLTDT TAE LAVSLLL TTCRRLPEAI EEVKNGGWTS WKPLWLCGYG LTQSTVGIIG LGRIGQAIAR RLKPFQVQRF LYTGRQPRPE EAAEFQAEFV STPELAAQSD FIVVACSLTP ATEGLCNKDF FQKMKETAVF INISRGDVNV QDDLQALAS GKIAAAGLDV TSEPEPLPTNH PLLTLCNCVI LPHIGSATHR TRNTMSLLAA NNLLAGLRGE PMPSELKL Molecular weight: 37.8 kDa (348aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Booth MP., et al. (2006) J Mol Biol. 360(1):178-89. Genolet R., et al. (2005) J Biol Chem. 280(25):24143-52.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human GRHPR, 1-328 aa,
His-tagged



15% SDS-PAGE (3ug)