

Product datasheet for **TP300963L**

GRHPR (NM_012203) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glyoxylate reductase/hydroxypyruvate reductase (GRHPR), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200963 protein sequence Red =Cloning site Green =Tags(s)

MRPVRLMKVVFVTRRIPAEGRVALARAADCEVEQWDSDEPIPAKELERGVAGAHGLLCLLSDHVDKRILDA
AGANLKVISTMSVGIDHLALDEIKKRGIRVGYTPDVLTDTTAELAVSLLTTCRRLPEAIEEVKNGGWTS
WKPLWLCGYGLTQSTVGIIGLGRIGQAIARRLKPFGVQRFLYTGRQPRPEEAAEFQAEFVSTPELAAQSD
FIVVACSLTPATEGLCNKDFQKMKETAVFINISRGDVVNQDDLYQALASGKIAAAGLDVTSPEPLPTNH
PLLTLKNCVILPHIGSATHRTRNTMSLLAANLLAGLRGEPMPSELK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	35.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036335
Locus ID:	9380



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UniProt ID: [Q9UBQ7](#), [A0A384N605](#)

RefSeq Size: 1235

Cytogenetics: 9p13.2

RefSeq ORF: 984

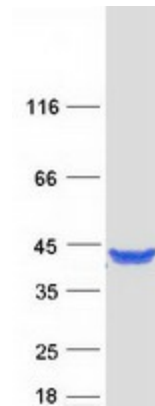
Synonyms: GLXR; GLYD; PH2

Summary: This gene encodes an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities. The enzyme has widespread tissue expression and has a role in metabolism. Type II hyperoxaluria is caused by mutations in this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways, Pyruvate metabolism

Product images:



Coomassie blue staining of purified GRHPR protein (Cat# [TP300963]). The protein was produced from HEK293T cells transfected with GRHPR cDNA clone (Cat# [RC200963]) using MegaTran 2.0 (Cat# [TT210002]).