

Product datasheet for PH300963

GRHPR (NM_012203) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GRHPR MS Standard C13 and N15-labeled recombinant protein (NP_036335)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200963
Predicted MW:	35.7 kDa
Protein Sequence:	>RC200963 protein sequence Red=Cloning site Green=Tags(s) MRPVRLMKVFVTRRIPAEGRVALARAADCEVEQWDSDEIPAKELERGVAGAHGLLCLLSDHVDKRILDA AGANLKVI STMSVIGIDHLALDEIKKRGIRVGYTPDVLTDTTAELAVSLLLTTCRRLPEAIEEVKNGGWTS WKPLWLCGYGLTQSTVGIIGLGRIGQAIARRLKPFQVQRFLYTGRQPRPEEAAEFQAEFVSTPELAAQSD FIVVACSLTPATEGLCNKDFQKMKETAVFINISRGDVVNQDDLQALASGKIAAAGLDVTSPEPLPTNH PLLTLKNCVILPHIGSATHRTRNTMSLLAANNLLAGLRGEMPSELKL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036335
RefSeq Size:	1235
RefSeq ORF:	984
Synonyms:	GLXR; GLYD; PH2
Locus ID:	9380



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

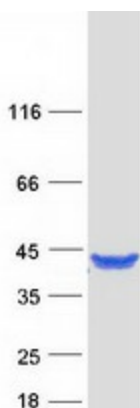
Cytogenetics: 9p13.2

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]).