

Recombinant Human GRHPR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GRHPR-2502H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GRHPR MS Standard C13 and N15-labeled recombinant protein (NP_036335) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	35.7 kDa
AA Sequence	MRPVRLMKVFVTRRIPAEGRVALARAADCEVEQWDSDEPIPAKELERGVAGAHGLL CLLSDHVDKRILDAAGANLKVISTMSVGIDHLALDEIKKRGIRVGYPDVLTDTTAEAL VSLLLTTCRRLPEAIEEVKNGGWTSWKPLWLCGYGLTQSTVGIIGLGRIGQAIARRLK PFGVQRFLYTGRQRPPEEAAEFQAEFVSTPELAAQSDFIVVACSLTPATEGLCNKDF FQMKKETAVFINISRGDVVNQDDLYQALASGKIAAAGLDVTSPEPLPTNHPLLTCLKNC VILPHIGSATHRTRNTMSLLAANNLLAGLRGEPMPSELKLTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

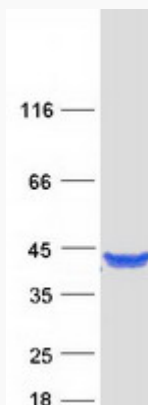
Gene Name	GRHPR glyoxylate reductase/hydroxypyruvate reductase [Homo sapiens (human)]
Official Symbol	GRHPR
Synonyms	GRHPR; glyoxylate reductase/hydroxypyruvate reductase; GLXR; PH2; primary hyperoxaluria type 2; glycerate-2-dehydrogenase; GLYD;
Gene ID	9380
mRNA Refseq	NM_012203
Protein Refseq	NP_036335
MIM	604296
UniProt ID	Q9UBQ7

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SDS-PAGE



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