

Recombinant Mouse Grhpr Protein, Myc/DDK-tagged

Cat. No. Grhpr-3307M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glyoxylate reductase/hydroxypyruvate reductase (Grhpr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. The encoded protein catalyzes three enzymatic reactions: the conversion of hydroxypyruvate to D-glycerate as well as the reverse reaction, and the conversion of glyoxylate to glycolate. Homozygous knockout mice exhibit elevated synthesis of oxalate and glycerate.
Molecular Mass	35.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Grhpr glyoxylate reductase/hydroxypyruvate reductase [Mus musculus (house mouse)]
Official Symbol	Grhpr
Synonyms	Grhpr; glyoxylate reductase/hydroxypyruvate reductase; Glxr; 1110059D05Rik; 6430629L09Rik; glyoxylate reductase/hydroxypyruvate reductase; EC 1.1.1.79; EC 1.1.1.81
Gene ID	76238
mRNA Refseq	NM_080289
Protein Refseq	NP_525028
UniProt ID	Q91Z53

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