

## Recombinant Mouse Grhpr Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length glyoxylate reductase/hydroxypyruvate reductase (Grhpr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 35.3 kDa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto: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

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA