

## Recombinant Mouse Gfpt2 Protein, Myc/DDK-tagged

**Cat. No.** Gfpt2-3196M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length glutamine fructose-6-phosphate transaminase 2 (Gfpt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.          |
| <b>Species</b>          | Mouse                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                     |
| <b>Description</b>      | Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins. |
| <b>Molecular Mass</b>   | 77 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                                                                                                                           |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                      |

### GENE INFORMATION

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|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Gfpt2 glutamine fructose-6-phosphate transaminase 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | Gfpt2                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | Gfpt2; glutamine fructose-6-phosphate transaminase 2; GFAT; GFAT2; AI480523; glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2; D-fructose-6-phosphate amidotransferase 2; GFAT 2; glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 2; glutamine:fructose-6-phosphate amidotransferase 2; hexosephosphate aminotransferase 2; EC 2.6.1.16 |
| <b>Gene ID</b>         | 14584                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_013529                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_038557                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>      | Q9Z2Z9                                                                                                                                                                                                                                                                                                                                                                   |

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