

Recombinant Mouse Phgdh Protein, Myc/DDK-tagged

Cat. No. Phgdh-4837M Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Purified recombinant protein of mouse full-length 3-phosphoglycerate dehydrogenase (Phgdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| Species | Mouse |
| Source | HEK293 |
| Description | Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonoxy pyruvate, the first step of the phosphorylated L-serine biosynthesis pathway. Does not catalyze the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate and the reversible oxidation of (S)-malate to oxaloacetate. |
| Molecular Mass | 56.6 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 |
| Storage Buffer | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

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GENE INFORMATION

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|------------------------|--|
| Gene Name | Phgdh 3-phosphoglycerate dehydrogenase [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | Phgdh |
| Synonyms | PHGDH; 3-phosphoglycerate dehydrogenase; D-3-phosphoglycerate dehydrogenase; 3-phosphoglycerate dehydrogenase; A10; PGD; PGAD; PGDH; SERA; 3PGDH; 3-PGDH; 4930479N23; MGC113796; MGC117966 |
| Gene ID | 236539 |
| mRNA Refseq | NM_016966 |
| Protein Refseq | NP_058662 |
| UniProt ID | Q61753 |

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