

Recombinant Mouse Phgdh Protein, Myc/DDK-tagged

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

SPECIFICATION

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-phosphonooxypyruvate, 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

Gene Name	Phgdh 3-phosphoglycerate dehydrogenase [Mus musculus (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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