

Product datasheet for TP524471

Phgdh (NM_016966) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 3-phosphoglycerate dehydrogenase (Phgdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224471 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAFANLRKVLISDSLDPCCRKILQDGGGLQVVEKQNLKSKEELIAELQDCEGLIVRSATKVTADVINAEEKL QVVGRAGTGVNDVLEAATRKGILVMNTPNGNSLSAAELTCGMIMCLARQPQATASMKDGKWDRKKFMG TELNGKTLGILGLGRIGREVATRMQSFGMKTGYDPIISPEVAASFVQQLPLEEIWPLCDFITVHTPLL PSTTGLLNDSTFAQCKKGVRVNCARGGIVDEGALLRALQSGQCAGAALDVFTTEPPRDRALVDHENVIS CPHLGASTKEAQSRCGEEIAVQFVDMVKGKSLTGVVNAQALTSAFSPHTKPWIGLAEAMGTLMHAWAGSP KGTIQVVTQGTSLKNAGTCLSPAVIVGLLREASKQADVNLVNAKLLVKEAGLNVTTSHNPGVPGEQSGE CLLTVALAGAPYQAVGLVQGTPMLQMLNGAVFRPEVPLRRGQPLLVFRAQPSDPGMLPTMIGLLAEAGV QLLSYQTSMVSDGEPWHVMGLSSLLPSLETWKQHVLEAFQFCF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	56.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_058662



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Locus ID: 236539

UniProt ID: [Q61753](#)

RefSeq Size: 1871

Cytogenetics: 3 F2.2

RefSeq ORF: 1602

Synonyms: 3-PGDH; 3PGDH; 4930479N23; A10; PGAD; PGD; PGDH; SERA

Summary: 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.[UniProtKB/Swiss-Prot Function]