

Product datasheet for **TP518814**

Gpd1l (NM_175380) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glycerol-3-phosphate dehydrogenase 1-like (Gpd1l), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218814 protein sequence Red =Cloning site Green =Tags(s)
	 MAAAPLKVCIVGSGNWGSAVAKIIGSNVKTQKFSSTVKMWWFEETVNGRKLTDIINNDHENVKYLPGHK LPENVVAVPNLSEAVQDADLLVFIHQFIHKICDEITGRVPEKALGITLIKIDEGPDGLKLISDIIRE KMGIDISVLMGANIASEVAAEKFCETTIGSKVMQNGLLFKELLQTPNFRITVDDADTVELCGALKNIVA VGAGFCDGLRCGDNTKAAVIRLGLMEMIAFAKIFCKGQVSTATFLESCGVADLITTCYGRNRRVAEFA RTGKTIEELEKELLNGQKLQGPQTSAEVYRILRQKGLLDKFLFTAVYQICYEGRPVTQMLSCLQSHPEH I TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	38.2 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_780589
Locus ID:	333433
UniProt ID:	Q3ULJ0 , B2RSR7



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RefSeq Size:	4393
Cytogenetics:	9 65.47 cM
RefSeq ORF:	1056
Synonyms:	2210409H23Rik; D9Ert660e
Summary:	Plays a role in regulating cardiac sodium current; decreased enzymatic activity with resulting increased levels of glycerol 3-phosphate activating the DPD1L-dependent SCN5A phosphorylation pathway, may ultimately lead to decreased sodium current; cardiac sodium current may also be reduced due to alterations of NAD(H) balance induced by DPD1L. [UniProtKB/Swiss-Prot Function]