

Product datasheet for **TP314470M**

PGP (NM_001042371) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoglycolate phosphatase (PGP), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214470 representing NM_001042371 Red =Cloning site Green =Tags(s)
	<p>MAAAEAGGDDARCVRLSAERAQALLADVDTLLFDCDGLVWRGETAVPGAPEALRALRARGKRLGFITNNS SKTRAAAYAEKLRRLGFGGPAGPGASLEVFGTAYCTALYLRQRLAGAPAPKAYVLGSPALAAELEAVGVAS VGVGPEPLQGEGPGDWLHAPLEPDVRAVWVGFDPHFSYMKLTKALRYLQQPGCLLVGTNMDNRLPLENGR FIAGTGCLVRAVEMAAQRQADIIGKPSRFIFDCVSEQEYGINPERTVMVGDRLDILLGATCGLKTILT TGVSTLGDVKNNQESDCVSKKKMVPDFYVDSIADLLPALQG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	33.8 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_001035830
Locus ID:	283871



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UniProt ID: [A6NDG6](#)

RefSeq Size: 1041

Cytogenetics: 16p13.3

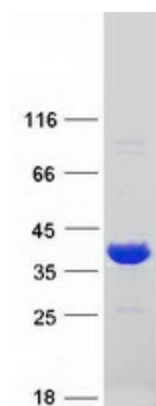
RefSeq ORF: 963

Synonyms: AUM; G3PP; PGPase

Summary: Glycerol-3-phosphate phosphatase hydrolyzing glycerol-3-phosphate into glycerol. Thereby, regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose, lipid and energy metabolism. Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PGP protein (Cat# [TP314470]). The protein was produced from HEK293T cells transfected with PGP cDNA clone (Cat# [RC214470]) using MegaTran 2.0 (Cat# [TT210002]).