

Product datasheet for **TP314470L**

PGP (NM_001042371) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human phosphoglycolate phosphatase (PGP), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC214470 representing NM_001042371

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MAAAEAGGDDARCVRLSAERAQALLADVDTLLFDCDGLVWRGETAVPGAPEALRALRARGKRLGFITNNS
SKTRAAAYAEKLRRLGFGGPAGPGASLEVFGTAYCTALYLRQRLAGAPAPKAYVLGSPALAAELEAVGVAS
VGVGPEPLQGEGPGDWLHAPLEPDVRAVWVGFDPHFSYMKLTKALRYLQQPGCLLVGTNMDNRLPLENGR
FIAGTGCLVRAVEMAAQRQADIIGKPSRFIFDCVSEQEYGINPERTVMVGDRLDILLGATCGLKTILT
TGVSTLGDVKNNQESDCVSKKKMVPDFYVDSIADLLPALQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

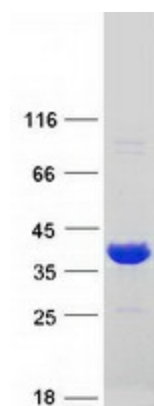
RefSeq ORF: 963

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]).