

## Product datasheet for PH314470

### PGP (NM\_001042371) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PGP MS Standard C13 and N15-labeled recombinant protein (NP_001035830)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214470
Predicted MW:	33.8 kDa
Protein Sequence:	>RC214470 representing NM_001042371 Red=Cloning site Green=Tags(s)  MAAAEAGGDDARCVRLSAERAQALLADVDTLLFDCDGVLRGETAVPGAPEALRALRARGKRLGFITNNS SKTRAAYAEKLRRLGFGGPAGPGASLEVFGTAYCTALYLRQRLAGAPAPKAYVLGSPALAAELEAVGVAS VGVGPEPLQEGPGDWLHAPLEPDVRAVVVGFDPHFSYMKLTKALRYLQQPGCLLVGTNMDNRLPLENGR F IAGTGCLVRAVEMAAQRQADIIGKPSRFIFDCVSYEYGINPERTVMVGDRLDITDILLGATCGLKTLTL TGVSTLGDVKNNQESDCVSKKMPDFYVDSIADLLPALQG  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001035830</a>
RefSeq Size:	1041
RefSeq ORF:	963
Synonyms:	AUM; G3PP; PGPase
Locus ID:	283871



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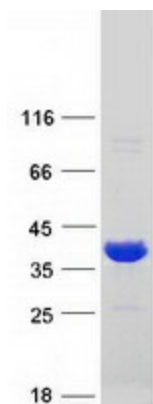
UniProt ID: [A6NDG6](#)

Cytogenetics: 16p13.3

**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]).