

Product datasheet for **AR50796PU-S**

PGP / Phosphoglycolate phosphatase (1-321, His-tag) Human Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | PGP / Phosphoglycolate phosphatase (1-321, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMAAAEA GGDDARCVRL SAERAQALLA DVDTLLFDCD GVLWRGETAV PGAPEALRAL RARGKRLGFI TNNSSKTRAA YAEKLRRLGF GGPAGPGASL EVFGTAYCTA LYLRQLAGA PAPKAYVLGS PALAAELEAV GVASVGVGPE PLQGE GPGDW LHAPLEPDVR AVVWGFDPHF SYMKLTKALR YLQQPGCLLV GTNMDNRLPL ENGRFIAGTG CLVRAVEMAA QRQADIIGKP SRFIFDCVSQ EYGINPERTV MVGDRLDTDI LLGATCGLKT ILTLTGVSTL GDVKNNQESD CVSKKKMVPD FYVDSIADLL PALQG |
| Tag: | His-tag |
| Predicted MW: | 36.5 kDa |
| Concentration: | lot specific |
| Purity: | >95% by SDS - PAGE |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human PGP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | NP_001035830 |
| Locus ID: | 283871 |
| UniProt ID: | A6NDG6 |
| Cytogenetics: | 16p13.3 |



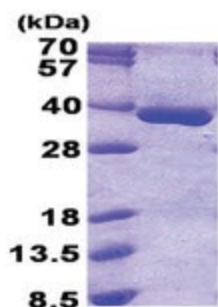
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Synonyms: AUM; G3PP; PGPase

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:



15% SDS-PAGE (3ug)