

Datasheet for ABIN7559339
PGP Protein (AA 1-321) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | PGP |
| Protein Characteristics: | AA 1-321 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PGP protein is labelled with His tag. |

Product Details

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|------------------|---|
| Purpose: | Custom-made recombinant Pgp Protein expressed in mammalian cells. |
| Sequence: | MAEAEAGGDE ARCVLSAER AKLLLAEVDT LLFDCDGLW RGETAVPGAP ETLRALRARG KRLGFITNNS SKTRTAYA EK LRRLGFGGPV GPEAGLEVFG TAYCSALYLR QRLAGVPDPK AYVLGSPALA AELEAVGVTS VGVGPDVLHG DGPSDWLAVP LEPDVRAVVV GFDPHFSYMK LTKAVRYLQQ PDCLLVGTNM DNRLPLENGR FIAGTGCLVR AVEMAAQRQA DIIGKPSRFI FDCVSQEYGI NPERTVMVGD RLDTDILLGS TCSLKTILTL TGVSSLEDVK SNQESDCMFK KKMVPDFYVD SIADLLPALQ G Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits: |

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

| | |
|---------|---|
| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

| | |
|-------------------|---|
| Target: | PGP |
| Alternative Name: | Pgp (PGP Products) |
| Background: | <p>Glycerol-3-phosphate phosphatase (G3PP) (EC 3.1.3.21) (Aspartate-based ubiquitous Mg(2+)-dependent phosphatase) (AUM) (EC 3.1.3.48) (Phosphoglycolate phosphatase) (PGP),FUNCTION: 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 (PubMed:26755581). Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581, PubMed:24338473). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (PubMed:24338473). {ECO:0000269 PubMed:24338473, ECO:0000269 PubMed:26755581}.</p> |
| Molecular Weight: | 34.5 kDa |
| UniProt: | Q8CHP8 |

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
