

Datasheet for ABIN7554909

PGM2L1 Protein (AA 1-622) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PGM2L1
Protein Characteristics:	AA 1-622
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGM2L1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PGM2L1 Protein expressed in mammalian cells.
Sequence:	<p>MAENTEGDLN SNLLHAPYHT GDPQLDTAIG QWLRWDKNPK TKEQIENLLR NGMNKELRDR</p> <p>LCCRMTFGTA GLRSAMGAGF CYINDLTVIQ STQGMKYKYLE RCFSDFKQRG FVVG YDTRGQ</p> <p>VTSSCSSQRL AKLTAAVLLA KDVPVYLFSR YVPTPFVPYA VQKLKAVAGV MITASHNRKE</p> <p>DNGYKVYWET GAQITSPHDK EILKCIEECV EPWNGSWNDN LVDT SPLKRD PLQDICRRYM</p> <p>EDLKKICFYR ELNSKTTLKF VHTSFHGVGH DYVQLAFKVF GFKPPIPVPE QKDPDPDFST</p> <p>VKCPNPEEGE SVLELSRLA EKENARVLA TDPDADRLAA AELQENG CWK VFTGNELAAL</p> <p>FGWWMFDCWK KNKSRNADVK NVYMLATTVS SKILKAIK EGFHFEETLP GFKWIGSR II</p> <p>DLLENGKEVL FAFEE SIGFL CGTSVLDKDG VSAVVVAEM ASYLETMNIT LKQQLVKVYE</p> <p>KYGYHISKTS YFLCYEPPTI KSIFERLRNF DSPKEYPKFC GTFAILHVRD VTTGYDSSQP</p> <p>NKKSVLPVSK NSQMITFTFQ NGCVATLR TS GTEPKIKYYA EMCASPDQSD TALLEEELKK</p> <p>LIDALIENFL QPSKNGLIWR SV</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

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:**

- 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: PGM2L1

Alternative Name: PGM2L1 ([PGM2L1 Products](#))

Background: Glucose 1,6-bisphosphate synthase (EC 2.7.1.106) (PMMLP) (Phosphoglucomutase-2-like 1),FUNCTION: Glucose 1,6-bisphosphate synthase using 1,3-bisphosphoglycerate as a phosphate donor and a series of 1-phosphate sugars, including glucose 1-phosphate, mannose 1-phosphate, ribose 1-phosphate and deoxyribose 1-phosphate, as acceptors (PubMed:17804405). In vitro, also exhibits very low phosphopentomutase and phosphoglucomutase activity which are most probably not physiologically relevant (PubMed:17804405). {ECO:0000269|PubMed:17804405, ECO:0000269|PubMed:18927083, ECO:0000269|PubMed:33979636}.

Molecular Weight: 70.4 kDa

Target Details

UniProt: [Q6PCE3](#)

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