

Datasheet for ABIN7559214

PGM2L1 Protein (AA 1-621) (His tag)



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Overview

Quantity:	1 mg
Target:	PGM2L1
Protein Characteristics:	AA 1-621
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGM2L1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pgm2l1 Protein expressed in mammalian cells.
Sequence:	<p>MAENADDDLN SNLLHAPYLT GDPQLDTAIG QWLRWDKNPK TKEQIENLLR NGMNKELRDR</p> <p>LCCRMFTGTA GLRSAMGAGF CYINDLTVIQ STQGMKYKLE RCFSDFKQRG FVVGYYDTRGQ</p> <p>VTSSCSSQRL AKLTAAVLLA KDIPVYLFYR YVPTFPVPYA VQELKAVAGV MITASHNRKE</p> <p>DNGYKVYWET GAQITSPHDK EILKCIEECV EPWNDSWNDN LVDTSPKKD PLQDICKKYM</p> <p>EDLKKICFYR DLNSKTTLKF VHTSFHGVGH DYVQLAFQVF GFKPPIPVPE QKDPDPDFST</p> <p>VKCPNPEEGE SVLESLRLA EKENARIVLA TDPDADRLAV AELQENGRWK VFTGNELAAL</p> <p>FGWWMFDCWK KNKPNADVKN VYMLATTVSS KILKAIALKE GFHFEETLPG FKWIGSRIKD</p> <p>LLGNGKEVLF AFEESIGFLC GTSVLDDKGV SAAAVVAEMA SFLDTRKVTI MEQLTKVYEI</p> <p>YGYHMSKTSY FLCYDPPTIK TIFERIRNFE SPKEYPKFCG AFALHVRDI TTGYDSSQPN</p> <p>KKSVLPVSKN SQMITFTFQN GCVATLRTSG TEPKIKYYAE MCASPGQSDT TFLEELKKL</p> <p>IDALIENFLE PSKNALVWRS V Sequence without tag. The proposed Purification-Tag is based</p>

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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PGM2L1
Alternative Name:	Pgm2l1 (PGM2L1 Products)
Background:	Glucose 1,6-bisphosphate synthase (EC 2.7.1.106) (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. In vitro, also exhibits very low phosphopentomutase and phosphoglucomutase activity which are most probably not physiologically relevant. {ECO:0000250 UniProtKB:Q6PCE3}.
Molecular Weight:	70.3 kDa
UniProt:	Q8CAA7

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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