

Datasheet for ABIN7558298

## Phosphoglucomutase 2 Protein (PGM2) (AA 1-620) (His tag)



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### Overview

Quantity:	1 mg
Target:	Phosphoglucomutase 2 (PGM2)
Protein Characteristics:	AA 1-620
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phosphoglucomutase 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Pgm2 Protein expressed in mammalian cells.
Sequence:	<p>MAAATPTETP APEGSGLGMD ARLDQETAQW LRWDQNPLTS ESVKQLIAGG NKEELRKCFG  ARMEFGTAGL RAPMGAGISR MNDLTIIQT QGFCRYLEKQ FSDLKQRGVV ISFDARAHPA  SGGSSRRFAR LAATAFITQG VPVYLFSDIT PTPFVPYTVS HLKLCAGIMI TASHNPKQDN  GYKVYWDNGA QIISPHDRGI SQAIEENLEP WPQAWHEELV DSSPLLHNPS ASIGNDYFED  LKKYCFHRTV NKESKVKFVH TSVHGVGHEF VQLAFKAFDL APPEAVPQKQ DPDPEFPTVK  YPNPEEGKGV LTLFSALADK IKAKIVLAND PDADRLAVAE KQDSGEWRVF SGNELGALLG  WWLFTSWKEK NQDQSNLKDT YMLSSTVSSK ILRAIALKEG FHFEETLTGF KWMGNRAQQL  GDQGKTVLFA FEEAIGYMCC PFVLDDKGVV AAVICAEAS FLATKNLSLS QQLNAIYVEY  GYHITTASYF ICHDQGTIQN LFGNLRNYDG KNNYPKMCCK FEISAIRDLT TGYDDSQPDK  KAVLPTSKSS QMITFTFANG GVATMRTSGT EPIKYYAEL CAPPGNSDPE HLKKELDELV  GAIEEHFFQP QKYNLQPKAE <b>Sequence without tag. The proposed Purification-Tag is based</b></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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Phosphoglucomutase 2 (PGM2)
Alternative Name:	Pgm2 ( <a href="#">PGM2 Products</a> )
Background:	Phosphopentomutase (EC 5.4.2.7) (Glucose phosphomutase 2) (Phosphodeoxyribomutase) (Phosphoglucomutase-1) (Phosphoglucomutase-2) (PGM 2) (EC 5.4.2.2),FUNCTION: Catalyzes the conversion of the nucleoside breakdown products ribose-1-phosphate and deoxyribose-1-phosphate to the corresponding 5-phosphopentoses. Catalyzes the interconversion of glucose-1-phosphate into glucose-6-phosphate but with a lower catalytic efficiency. In vitro, has also a low glucose 1,6-bisphosphate synthase activity which is most probably not physiologically relevant. {ECO:0000250 UniProtKB:Q96G03}.
Molecular Weight:	68.7 kDa
UniProt:	<a href="#">Q7TSV4</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a>

## 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