

Datasheet for ABIN7552011

## Phosphoglucomutase 3 Protein (PGM3) (AA 1-542) (His tag)



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### Overview

Quantity:	1 mg
Target:	Phosphoglucomutase 3 (PGM3)
Protein Characteristics:	AA 1-542
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phosphoglucomutase 3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PGM3 Protein expressed in mammalian cells.
Sequence:	<p>MDLGAITKYS ALHAKPNGLI LQYGTAGFRT KAEHLDHVMF RMGLLAVLRS KQTKSTIGVM  VTASHNPEED NGVKLVDPGLG EMLAPSWEEH ATCLANAEEQ DMQRLVIDIS EKEAVNLQQD  AFVVIGRDTR PSSEKLSQSV IDGVTVLGGQ FHDYGLLTTP QLHYMVYCRN TGGRYGKATI  EGYYQKLSKA FVELTKQASC SGDEYRSLKV DCANGIGALK LREMEHYFSQ GLSVQLFNDG  SKGKLNHL CG ADFVKSHQKP PQGMEIKSNE RCCSFDGDAD RIVYYYHDAD GHFHLIDGDK  IATLISSFLK ELLVEIGESL NIGVVQTAYA NGSSTRYLEE VMKVPVYCTK TGVKHLHHKA  QEFDIGVYFE ANGHGTALFS TAVEMKIKQS AEQLEDKKRK AAKMLENIID LFNQAAGDAI  SDMLVIEAIL ALKGLTVQQW DALYTDLPNR QLKVQVADRR VISTTDAERQ AVTPPGLQEA  INDLVKKYKL SRAFVRPSGT EDVVRVYAEA DSQESADHLA HEVSLAVFQL AGGIGERPQP GF</p> <p><b>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.</b></p>

## Product Details

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

## Target Details

Target:	Phosphoglucomutase 3 (PGM3)
Alternative Name:	PGM3 ( <a href="#">PGM3 Products</a> )
Background:	<p>Phosphoacetylglucosamine mutase (PAGM) (EC 5.4.2.3) (Acetylglucosamine phosphomutase) (N-acetylglucosamine-phosphate mutase) (Phosphoglucomutase-3) (PGM 3),FUNCTION: Catalyzes the conversion of GlcNAc-6-P into GlcNAc-1-P during the synthesis of uridine diphosphate/UDP-GlcNAc, a sugar nucleotide critical to multiple glycosylation pathways including protein N- and O-glycosylation. {ECO:0000303 PubMed:24589341, ECO:0000303 PubMed:24698316, ECO:0000303 PubMed:24931394}.</p>
Molecular Weight:	59.9 kDa
UniProt:	<a href="#">O95394</a>

## 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