

Datasheet for ABIN7547815
G6PC3 Protein (AA 1-346) (His tag)



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Overview

Quantity:	1 mg
Target:	G6PC3
Protein Characteristics:	AA 1-346
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This G6PC3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat G6PC3 Protein expressed in mammalian cells.
Sequence:	MESTLGAGIV IAEALQNQLA WLENVWLWIT FLGDPKILFL FYFPAAYYAS RRVGIAVLWI SLITEWLNLI FKWFLFGDRP FWWVHESGY Y SQAPAVHQF PSSCETGPGS PSGHCMITGA ALWPIMTALS SQVATRARSR WVRVMPSLAY CTFLAVGLS RIFILAHFPH QVLAGLITGA VLGWLMTPRV PMERELSFY LGIALHSPCY AQVRRQLGN GQKIACLVLA MGLLGPLDWL IHDVSRPFAS LSRDSGAALG LGIALHSPCY AQVRRQLGN GQKIACLVLA MGLLGPLDWL GHPPQISLFY IFNFKYTLW PCLVLALVPW AVHMFSAQEA PPIHSS 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.
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	G6PC3
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Alternative Name:	G6PC3 (G6PC3 Products)
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Background:	Glucose-6-phosphatase 3 (G-6-Pase 3) (G6Pase 3) (EC 3.1.3.9) (Glucose-6-phosphatase beta) (G6Pase-beta) (Ubiquitous glucose-6-phosphatase catalytic subunit-related protein),FUNCTION: Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. May form with the glucose-6-phosphate transporter (SLC37A4/G6PT) a ubiquitously expressed complex responsible for glucose production through glycogenolysis and gluconeogenesis. Probably required for normal neutrophil function. {ECO:0000269 PubMed:12370122, ECO:0000269 PubMed:12965222, ECO:0000269 PubMed:13129915}.
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Molecular Weight:	38.7 kDa
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UniProt:	Q9BUM1
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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
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Application Details

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