

Datasheet for ABIN7550679

PFKP Protein (AA 1-784) (His tag)



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Overview

Quantity:	1 mg
Target:	PFKP
Protein Characteristics:	AA 1-784
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFKP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PFKP Protein expressed in mammalian cells.
Sequence:	<p>MDADDSRAPK GSLRKFLLEHL SGAGKAIGVL TSGGDAQGMN AAVRAVVRMG IYVGAKVYFI</p> <p>YEGYQGMVDG GSNIAEADWE SVSSILQVGG TIIGSARCQA FRTREGRLKA ACNLLQRGIT</p> <p>NLCVIGGDGS LTGANLFRKE WSGLLEELAR NGQIDKEAVQ KYAYLNVVGM VGSIDNDFCG</p> <p>TDMTIGTDSA LHRIIEVDA IMTTAQSHQR TFVLEVMGRH CGYLALVSAL ACGADWVFLP</p> <p>ESPPEEGWEE QMCVKLSENR ARKKRLNIII VAEGAIDTQN KPITSEKIKE LVVTQLGYDT</p> <p>RVTILGHVQR GGTPSAFDRI LASRMGVEAV IALLEATPDT PACVVSLNGN HAVRLPLMEC</p> <p>VQMTQDVQKA MDERRFQDAV RLRGRSFAGN LNTYKRLAIK LPDDQIPKTN CNVAVINVGA</p> <p>PAAGMNAAVR SAVRVGIADG HRMLAIYDGF DGFAKGQIKE IGWTDVGGWT GQGGSSILGTK</p> <p>RVLP GKYLEE IATQMRTHSI NALLIIGGFE AYLGLELSA AREKHEEFCV PMVMVPATVS</p> <p>NNVPGSDFSI GADTALNTIT DTCRIKQSA SGTKRRVFII ETMGGYCGYL ANMGGLAAGA</p> <p>DAAYIFEFPF DIRDLQSNVE HLTEKMKTTI QRGLVLRNES CSENYTTDFI YQLYSEEGKG</p>

VFDCRKNVLG HMQQGGAPSP FDRNFGTKIS ARAMEWITAK LKEARGRGKK FTTDDSI^{CVL}
GISKRNVIFQ PVAELKKQTD FEHRIPKEQW WLKLRPLMKI LAKYKASYDV SD^{SGQLEHVQ} PWSV

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:	<div>Key Benefits:</div> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PFKP
Alternative Name:	PFKP (PFKP Products)
Background:	ATP-dependent 6-phosphofructokinase, platelet type (ATP-PFK) (PFK-P) (EC 2.7.1.11) (6-phosphofructokinase type C) (Phosphofructo-1-kinase isozyme C) (PFK-C) (Phosphohexokinase),FUNCTION: Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.
Molecular Weight:	85.6 kDa
UniProt:	Q01813
Pathways:	Warburg Effect

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