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Datasheet for ABIN7555020
PIGZ Protein (AA 1-579) (His tag)

Overview

Quantity:	1 mg
Target:	PIGZ
Protein Characteristics:	AA 1-579
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIGZ protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PIGZ Protein expressed in mammalien cells.
Sequence:	<p>MQICGSSVAS VAAGTSFQVL GPVCWQQLDL KMAVRVLWGG LSLLRVLWCL LPQTGYVHPD EFFQSPEVMA EDILGVQAAR PWEFYPSSSC RSVLFPLLIS GSTFWLLRLW EELGPWPGLV SGYALLVGPR LLLTALSFAL DGAVYHLAPP MGADRWNALA LLSGSYVTLV FYTRTFSNTI EGLLFTWLLV LVSSHVTWGP TRKEPAGPR WRSWLLGGIV AAGFFNRPTF LAFVVPLYL WGTRGATNPG LKSLTREALV LLPGAALTAA VVATDSWYF SSPATSRNLV LTPVNFLHYN LNPQNLARHG THARLTHLAV NGFLLFGVLH AQALQAAWQR LQVGLQASQA MGLLRALGAR SLLSSPRSYL LLLYFMPLAL LSAFSHQEAR FLIPLLPLV LLCSPQTQPV PWKGTVVLFN ALGALLFGCL HQGGLVPGLE YLEQVVHAPV LPSTPTHYTL LFTHTYMPPR HLLHLPGLGA PVEVDMGGT EDWALCQTLK SFTRQPACQV AGGPWLCRLF VVTPGTTRRA VEKCSFPFKN ETLLFPHLTL EDPPALSSLL SGAWRDHLSL HIVELGEET Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

Product Details

of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- 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

Grade:

custom-made

Target Details

Target:

PIGZ

Alternative Name:

PIGZ ([PIGZ Products](#))

Background:

GPI mannosyltransferase 4 (EC 2.4.1.-) (GPI mannosyltransferase IV) (GPI-MT-IV) (Phosphatidylinositol-glycan biosynthesis class Z protein) (PIG-Z) (SMP3 homolog) (hSMP3),FUNCTION: Mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers a fourth mannose to some trimannosyl-GPIs during GPI precursor assembly. The presence of a fourth mannose in GPI is facultative and only scarcely detected, suggesting that it only exists in some tissues. {ECO:0000269|PubMed:15208306}.

Molecular Weight:

63.5 kDa

UniProt:

[Q86VD9](#)

Pathways:

[Inositol Metabolic Process](#)

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.

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
