Datasheet for ABIN7554939

PIGW Protein (AA 1-504) (His tag)

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Overview

Quantity:	1 mg
Target:	PIGW
Protein Characteristics:	AA 1-504
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIGW protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PIGW Protein expressed in mammalien cells.
Sequence:	MSEKQMKEAF VSNLNGTTVL EITQGLCFPA FCILCRGFLI IFSQYLCSFS PTWKTRFLTD FVVLIVPMVA TLTIWASFIL LELLGVIIFG AGLLYQIYRR RTCYARLPFL KILEKFLNIS LESEYNPAIS CFRVITSAFT AIAILAVDFP LFPRRFAKTE LYGTGAMDFG VGGFVFGSAM VCLEVRRRKY MEGSKLHYFT NSLYSVWPLV FLGIGRLAII KSIGYQEHLT EYGVHWNFFF TIIVVKLITP LLLIIFPLNK SWIIALGITV LYQLALDFTS LKRLILYGTD GSGTRVGLLN ANREGIISTL GYVAIHMAGV QTGLYMHKNR SHIKDLIKVA CFLLLAAISL FISLYVVQVN VEAVSRRMAN LAFCIWIVAS SLILLSSLLL GDIILSFAKF LIKGALVPCS WKLIQSPVTN KKHSESLVPE AERMEPSLCL ITALNRKQLI FFLLSNITTG LINLMVDTLH SSTLWALFVV NLYMFSNCLI VYVLYLQDKT VQFW **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	PIGW
Alternative Name:	PIGW (PIGW Products)
Background:	Phosphatidylinositol-glycan biosynthesis class W protein (PIG-W) (EC 2.3.-.-),FUNCTION: Required for the transport of GPI-anchored proteins to the plasma membrane (PubMed:24367057). Probable acetyltransferase, which acetylates the inositol ring of phosphatidylinositol during biosynthesis of GPI-anchor. Acetylation during GPI-anchor biosynthesis is not essential for the subsequent mannosylation and is usually removed soon after the attachment of GPIs to proteins (By similarity). {ECO:0000250|UniProtKB:Q7TSN4, ECO:0000269|PubMed:24367057}.
Molecular Weight:	56.9 kDa
UniProt:	Q7Z7B1
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