Datasheet for ABIN7554971

PLEKHA8 Protein (AA 1-519) (His tag)

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Overview

Quantity:	1 mg
Target:	PLEKHA8
Protein Characteristics:	AA 1-519
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHA8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PLEKHA8 Protein expressed in mammalien cells.
Sequence:	MEGVLYKWTN YLSGWQPRWF LLCGGILSYY DSPEDAWKGC KGSIQMAVCE IQVHSVDNTR MDLIIPGEQY FYLKARSVAE RQRWLVALGS AKACLTDSRT QKEKEFAENT ENLKTKMSEL RLYCDLLVQQ VDKTKEVTTT GVSNSEEGID VGTLLKSTCN TFLKTLEECM QIANAAFTSE LLYRTPPGSP QLAMLKSSKM KHPIIPIHNS LERQMELSTC ENGSLNMEIN GEEEILMKNK NSLYLKSAEI DCSISSEENT DDNITVQGEI RKEDGMENLK NHDNNLTQSG SDSSCSPECL WEEGKEVIPT FFSTMNTSFS DIELLEDSGI PTEAFLASCY AVVPVLDKLG PTVFAPVKMD LVGNIKKVNQ KYITNKEEFT TLQKIVLHEV EADVAQVRNS ATEALLWLKR GLKFLKGFLT EVKNGEKDIQ TALNNAYGKT LRQHHGWVVR GVFALALRAA PSYEDFVAAL TVKEGDHQKE AFSIGMQRDL SLYLPAMEKQ LAILDTLYEV HGLESDEVV **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**

Product Details

	contact us.
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:	PLEKHA8
Alternative Name:	PLEKHA8 (PLEKHA8 Products)
Background:	Pleckstrin homology domain-containing family A member 8 (PH domain-containing family A member 8) (Phosphatidylinositol-four-phosphate adapter protein 2) (FAPP-2) (Phosphoinositol 4-phosphate adapter protein 2) (hFAPP2) (Serologically defined breast cancer antigen NY-BR-86),FUNCTION: Cargo transport protein that is required for apical transport from the Golgi complex. Transports AQP2 from the trans-Golgi network (TGN) to sites of AQP2 phosphorylation. Mediates the non-vesicular transport of glucosylceramide (GlcCer) from the trans-Golgi network (TGN) to the plasma membrane and plays a pivotal role in the synthesis of complex glycosphingolipids. Binding of both phosphatidylinositol 4-phosphate (PIP) and ARF1 are essential for the GlcCer transfer ability. Also required for primary cilium formation, possibly by being involved in the transport of raft lipids to the apical membrane, and for membrane tubulation. {ECO:0000269|PubMed:15107860, ECO:0000269|PubMed:16103222, ECO:0000269|PubMed:17687330}.

Target Details

Molecular Weight:	58.3 kDa
UniProt:	Q96JA3

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

