

Datasheet for ABIN7564152
ATP8B3 Protein (AA 1-1335) (His tag)



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Overview

Quantity:	1 mg
Target:	ATP8B3
Protein Characteristics:	AA 1-1335
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP8B3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Atp8b3 Protein expressed in mammalian cells.
Sequence:	MDGVHLGENL EDKDTEFTWE VKANDRTYHK QFKKKGFLCW RQKKYKSNAI HTAKYNIFSF LPLNLYEQFH RMSNLYFLFI IILQGIPEIS TLPWFTLFAP LVCLFVIRAT RDLVDDIGRH RSDKIINNRP CQILRGKSFL WKKWKNLCVG DVVCLSKDSI VPADLLLLAS TEPSSLCYVE TADIDGETNL KFRQALTVTH HELTSPKKMA SFQGTVTCEE PNSRMHHFVG SLEWNSRKYP LDIGNLLLRG CKIRNTDTCY GLVIYAGLDT KIMKNCGKIH LKRTKLDLMM NKLVALIFLS LVIASLLLTV GFTFMVKQFK AKHYYMSPTH GRSDAMESFF IFWGFLLILLS VMVPMAMFII AEFIYLGNSI FINWDLNMYE EPLDMPAKAR STSLNDQLGQ VQYIFSDKTG TLTQNIMTFK KCCINGCIYD SDDEHGTLRK RNPYAWNPF A DGKLQFYNKE LESLVQGRQD RAVQEFWRLL AICHTVMVQE KDNQLLYQAA SPDEEALVTA ARNFGYVFLS RTQDTITLVE LGEERVYQVL AMMDFNSVRK RMSVLVRNPE GSICLYTKGA DTVILERLRS KGVMEATTEE VLAFAEQTL RTLCLAYKDV EEDAYKEWEP EHQEALLLQ NRAQALHQVY NKMEQNLQLL GATAIEDKLQ DGVPETIKCL KKGNIKIWVL TGDKPETAVN IGFAQQLLSE NMIILEDKDI NQVLERYWED NVHQKAFKMM

THHNMALVIN GEFLDQLLLS LRKEPRALVQ NAVVDEVAQE PVVSALDFLQ KRRISQMWRN
AGPSLGTSHS ADSKIRE SPE VQRERAFVDL ASKCQAVICC RVTPKQKALV VALVKKYQQV
VTLAIGDGAN DVNMIKTADI GVGLAGQEGM QAVQNSDYVL AQFCYLQRLV LVHGRWSYMR
VCKFLRYFFY KTVASMMMAQI WFSLVNGFSA QPLYEGWFLA LFNLLYSTLP VLYIGLFEQD
VTAEKSLKMP ELYMAGQKGE LFNYSIFMQA ITHGTITSMI NFFVTVMVSS DMSKAGSSHD
YQSLGVLVAI SSLLSVTLEV MLVVKYWTLV FVGAVVLSLS SYVLMTSLTQ SLWMYRISPK
TFPFLFADYN VLFEPCLLLL IVLNVALNVL PMLALRTIHR TVLKQRPKGE EEAPSEEVAV
EPAMRHLRRG IPARRSSYAF SHREGYANLI TQGTILRRQT HVDDSDGGTV CESLNPPEED
IPLQNKDSVF NPRKISILAK KRRHFFGKGS QEEVHPNTSS QTMEKOPTIH RDSERQKLPT
TTSATSGKLL PSASEDEAFY SVASQYTLAS QPKHTDVHSS FWKSPLWRDS ASSSPSQLEV PRKQS

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	ATP8B3
Alternative Name:	Atp8b3 (ATP8B3 Products)
Background:	Phospholipid-transporting ATPase IK (EC 7.6.2.1) (ATPase, class I, type 8B, member 3) (Sperm aminophospholipid transporter) (SAPLT),FUNCTION: P4-ATPase flippase which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids (PubMed:14975727, PubMed:19017724). Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules (PubMed:14975727). May be responsible for the maintenance of asymmetric distribution of phosphatidylserine (PS) in spermatozoa membranes (PubMed:14975727). Involved in acrosome reactions and binding of spermatozoa to zona pellucida (PubMed:19017724). {ECO:0000269 PubMed:14975727, ECO:0000269 PubMed:19017724}.
Molecular Weight:	152.0 kDa
UniProt:	Q6UQ17

Application Details

Application Notes:	We expect the protein to work for functional studies. 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