

Datasheet for ABIN7561985
Atp8b5 Protein (AA 1-1183) (His tag)



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Overview

Quantity:	1 mg
Target:	Atp8b5 (ATP8B5)
Protein Characteristics:	AA 1-1183
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Atp8b5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Atp8b5 Protein expressed in mammalian cells.
Sequence:	<pre>MKYVKAFVSE ISWDCSWYCS AMQERRNEDR QKEEEERILQ ANNRRFNSLF EYPDNSIKTS KYGFFNFLPM NLFEQFQRLA NAYFLILLFL QLVQPQISSLA WYTTVIPLIV VLSITGVKDA IDDVKRHRSD QQINNRSVSI LVNGRVEEIK WRNVQVGDII KLENNHPVTA DMLLLSSEPE YGLTYIETAD LDGETNLKVK QAISVTSAME DNLELLSSFN GEVRCPPNN KLDKFSGTLS YLGNTYLLNH ERLLLRGCVI RNTDWCYGLV VYTGQDTKLM QNSGRSTFKR THIDHLMNVL VWIFMFLGG MCFLLSIGHG IWENSRGYFF QAFLPWKHYI TSSATSSALI FWSYFIVLNT MVPISLYVSV EIIRLGNSSY INWDRKMFYA PKNMPAQART TTLNEELGQV QYVFSDKTGT LTENVMIFNK CSINGKTYGY SYDDNGEYVP KSPKDKVDFS YNHLADPKFS FYDKTLVEAV KSEDPLVYLF FLCLSLCHTV MSEEKVEGEL VYQAQSPDEG ALVTATRNFV FVFCRTPET ITVIEMGKIR VYRLLAILDF SNERKRMSVI VRTPEDRVML FCKGADTIY ELLHPSCASL SEVTMDHLDD FASEGLRRTLM VAYRELDKAY FQTWIKKHGE AWLTLENRER KLALVYEEIE RDLMLLGATA IEDKLQRGVP ETIVTLSKAK IKIWVLTGDK QETAVNIAYS CRIFKDEMDG</pre>

Product Details

VFMVEGTDRE TVLEELRTAR KKMKPESLLE SDPINMYLAR KPKMPFKSLD EVANGNYGLV
ISGYSLAYAL EGSLEFELLR TACMCKGVVC CRMTPLQKAQ VVDLVKRYKK VVTLAIGDGA
NDISMIKAAH IGVGISNQEG MQATLSSDFS FCQFHFLQRL LLVHGRLSYN RMCKFLSYFF
YKNFAFTLVH FWYAFFNGFS AQTVDIWFIF TFYNLIYTSL PVLGLSLFEK DVNETWSLCY
PELYEPGQHN LYFNKKEFVK CLLHGIYNSF VLFFVPMGTV FNSERNDGKD ISDFQSFSLL
VQTTLIGVMT MQIALRTTSW TMINHTFTWG SLGLYFCILI LLCSDGLCLR YPSIFNFLGV
ARNSLSQPQI WLCLILSTIL CMIPLIGYNF LRPLLWPINA DKVLNRIHFC LKHPIPTQVQ
TKIKHPSLRR SAYAFSHKQG FGALITSGKT LKSSALAKSK RFL **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: Atp8b5 (ATP8B5)

Alternative Name: Atp8b5 ([ATP8B5 Products](#))

Target Details

Background: Phospholipid-transporting ATPase FetA (EC 7.6.2.1) (ATPase class I type 8B member 2-like protein) (ATPase class I type 8B member 5) (Flippase expressed in testis A),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. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules. May play a role in phospholipid transport across membranes and in acrosome formation. {ECO:0000269|PubMed:19657017}.

Molecular Weight: 135.9 kDa

UniProt: [A3FIN4](#)

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