

Datasheet for ABIN7552395
ATP10A Protein (AA 1-1499) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP10A
Protein Characteristics:	AA 1-1499
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP10A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ATP10A Protein expressed in mammalien cells.
Sequence:	MEREPAGTEE PGPPGRRRRR EGRTRTVRSN LLPPPGAEDP AAGAAKGERR RRRGCAQHLLA DNRLKTTKYT LLSFLPKNLF EQFHRPANVY VFVIALLNLFV PAVNAFQPGL ALAPVLFILA ITAFRDLDWED YSRHRSDHKL NHLGCLVFSR EEKKYVNRFW KEIHVGDFVR LRCNEIFPAD ILLSSSDPD GLCHIETANL DGETNLKRRQ VVRGFSELVS EFNPLTFTSV IECEKPNNDL SRFRGCIHD NGKKAGLYKE NLLLRGCTLR NTDVAVGIVI YAGHETKALL NNSGPRYKRS KLERQMNCV LWCVLLLVCML SLSAVGHGL WIWRYQEKKS LFYVPKSDGS SLSPVTAADV SFLTMIIVLQ VLIPIVLYS IEIVKACQVY FINQDMQLYD EETDSLQCR ALNITEDLGQ IQYIFSDKTG TLTENKMFVR RCTVSGVEYS HDANAQLRLAR YQEADSEEEE VVPRGGSVSQ RGSIGSHQSV RVVHRTQSTK SHRRTGSRAE AKRASMLSKH TAFSSPMEKD ITPDPKLEK VSECDKSLAV ARHQEHLAH LSPESDVFDF FFIALTICNT VVVTSPDQPR TKVRVRFELK SPVKTIEDFL RRFTPSCLTS GCSSIGSLAA NKSSHKLKSS FPSTPSSDGM LLRLEERLGQ PTSAIASNGY

SSQADNWASE LAQEQESERE LRYEAESPDE AALVYAARAY NCVLVERLHD QVSVELPHLG
RLTFELLHTL GFDSVRKRMS VVIRHPLTDE INVYTKGADS VVMDLLQPCS SVDARGRHQK
KIRSKTQNYL NVYAAEGLRT LCIAKRVLSK EYACWLQSH LEAESSLENS EELLFQSAIR
LETNLHLLGA TGIEDRLQDG VPETISKLRQ AGLQIWWLTG DKQETAVNIA YACKLLDHDE
EVITLNATSQ EACAALLDQC LCYVQSRGLQ RAPEKTKGKV SMRFSSLCPP STSTASGRRP
SLVIDGRSLA YALEKNLEDK FLFLAKQCRS VLCCRSTPLQ KSMVVKLVRS KLKAMTLAIG
DGANDVSMIQ VADVGVGISG QEGMQAVMAS DFAVPKFRYL ERLILHGHW CYSRLANMVL
YFFYKNTMFV GLLFWFQFFC GFSASTMIDQ WYLIFFNLLF SSLPPLVTGV LDRDVPANVL
LTNPQLYKSG QNMEEYRPRF FWFNMADAAF QSLVCFSIPY LAYYDSNVDL FTWGTPIVTI
ALLTLLHLG IETKTWTWLN WITCGFSVLL FFTVALIYNA SCATCYPPSN PYWTMQALLG
DPVFYLTCLM TPVAALLPRL FFRSLQGRVF PTQLQLARQL TRKSPRRCSA PKETFAQGRL
PKDSGTEHSS GRTVKTSVPL SQPSWHTQQP VCSLEASGEP STVDMSPVVR EHTLLEGLSA
PAPMSSAPGE AVLRSPGGCP EESKVRAAST GRVTPLSSLF SLPTFLLNW ISSWSLVSRL
GSVLQFSRTE QLADGQAGRG LPVQPHSGRS GLQGPDRLL IGASSRRSQ **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.

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:	ATP10A
Alternative Name:	ATP10A (ATP10A Products)
Background:	<p>Phospholipid-transporting ATPase VA (EC 7.6.2.1) (ATPase class V type 10A) (Aminophospholipid translocase VA) (P4-ATPase flippase complex alpha subunit ATP10A),FUNCTION: Catalytic component of P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of phosphatidylcholine (PC) from the outer to the inner leaflet of the plasma membrane (PubMed:25947375, PubMed:29599178, PubMed:30530492). Initiates inward plasma membrane bending and recruitment of Bin/amphiphysin/Rvs (BAR) domain-containing proteins involved in membrane tubulation and cell trafficking (PubMed:29599178). Facilitates ITGB1/beta1 integrin endocytosis, delaying cell adhesion and cell spreading on extracellular matrix (PubMed:29599178, PubMed:25947375). Has low flippase activity toward glucosylceramide (GlcCer) (PubMed:30530492). {ECO:0000269 PubMed:25947375, ECO:0000269 PubMed:29599178, ECO:0000269 PubMed:30530492}.</p>
Molecular Weight:	167.7 kDa
UniProt:	O60312

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