

Datasheet for ABIN7562424
ATP10A Protein (AA 1-1508) (His tag)



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Overview

Quantity:	1 mg
Target:	ATP10A
Protein Characteristics:	AA 1-1508
Origin:	Mouse
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:	MERELPAAEE SASSGWRRPR RRRWEGRTRT VRSNLLPPLG TEDSTIGAPK GERLLMRGCI QHLADNRLKT TKYTLLSFLP KNLFEQFHRL ANVYVFVIAL LNFVPAVNAF QPGLALAPVL FILAVTAIKD LWEDYSRHRD DHEINHLGCL VFSREEKKYV NRYWKEIRVG DfVRLCCNEI IPADILLSS SDPDGLCHIE TANLDGETNL KRRQVVRGFS ELVSEFNPLT FTSVIECEKP NNDLSRFRGY IMHSNGEKAG LHKENLLLRG CTIRNTEAVA GIVYAGHET KALLNNSGPR YKRSQLERQM NCDVLWCVLL LVCISLFSAV GHGLWVRRYQ EKKALFDVPE SDGSSLSPAT AAVYSFFTMI IVLQVLIPIS LYVSIEIVKV CQVYFINQDI ELYDEETDSQ LQCRALNITE DLGQIKYIFS DKTGTLTENK MVFRRCTVSG IEYSHDANAQ RLARYQEADS EEEEVSKVG TISHRGSTGS HQSIWMTHKT QSIKSHRRTG SRAEAKRASM LSKHTAFSSP MEKDITPDPK LLEKVSECDR FLAIARHQEH PLAHLSPELS DVFDFFIALT ICNTVVVTSP DQPRQKVRVR FELKSPVKTI EDFLRRFTPS RLAGCSSLG NLSTSKSSHK SGSAFLPSLS QDSMLLGLLE KLGQTAPSIA

SNGYASQAGQ EESWASECTT DQKCPGEQRE QQEGELRYEA ESPDEAALVY AARAYNCALV
DRLHDQVSVE LPHLGRLTFE LLHTLGFDISI RKRMSVVIRH PLTDEINVYT KGADSVVMDL
LLPCSSDDAR GRHQKKIRSK TQNYLNLYAV EGLRTL CIAK RVLSKEEYAC WLQSHIEAEA
SVESREELLF QSAVRLETNL HLLGATGIED RLQEGVPETI AKLRQAGLQI WVLTGDKQET
AINIAYACKL LDHGEEVITL NADSQEACAA LLDQCLSYVQ SRNPRSTLQN SESNLSVGFS
FNPVSTSTDA SPSPSLVIDG RSLAYALEKS LEDKFLFLAK QCRSVLCCRS TPLQKSMVVK
LVRSKLKAMT LAIGDGANDV SMIQVADVGV GISGQEGMQA VMASDFAVPR FRYLERLLIV
HGHWCYSRLA NMVLYFFYKN TMFVGLLFWF QFYCGFSASA MIDQWYLIF NLLFSSLPQL
VTGVLDKDVP ADMLLREPQL YKSGQNMEEY RPRAFVLNMV DAAFQSLVCF FIPYLAYYDS
DVDVFTWGTP VTAIALFTFL LHLGIETKTW TWLNWLACGF STFLFFSVAL IYNTSCATCY
PPSNPYWTMQ TLLGDPLFYL TCLIAPIAAL LPRLFFKALQ GSLFPTQLQL GRQLAKKPLN
KFSDPKETFA QGQPPGHSET ELSERKTMGP FETLPRDCAS QASQFTQQLT CSPEASGEP
AVDTNMPLRE NTLLEGLGSQ ASGSSMPRGA ISEVCPGDSK RQSTSASQTA RLSSLFHLPS
FGSLNWISSL SLASGLGSVL QLSGSSLQMD KQDGEFLSNP PQPEQDLHSF QGQVTGYL

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:	Phospholipid-transporting ATPase VA (EC 7.6.2.1) (ATPase class V type 10A) (P-locus fat-associated ATPase) (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. Initiates inward plasma membrane bending and recruitment of Bin/amphiphysin/Rvs (BAR) domain-containing proteins involved in membrane tubulation and cell trafficking. Facilitates ITGB1/beta1 integrin endocytosis, delaying cell adhesion and cell spreading on extracellular matrix. Has low flippase activity toward glucosylceramide (GlcCer). {ECO:0000250 UniProtKB:O60312}.
Molecular Weight:	168.8 kDa
UniProt:	O54827

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