

Datasheet for ABIN7552369

ATP10B Protein (AA 1-1461) (His tag)[Go to Product page](#)

Overview

Quantity: 1 mg

Target: ATP10B

Protein Characteristics: AA 1-1461

Origin: Human

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: This ATP10B protein is labelled with His tag.

Product Details

Purpose: Custom-made recombinant ATP10B Protein expressed in mammalian cells.

Sequence: MALSVDSSWH RWQWRVRDGF PHCPSETTPL LSPEKGRQSY NLTQQRVFP NNSIFHQDWE
EVSRRYPG NR TCTTKYTLFT FLPRNLFEQF HRWANLYFLF LVILNWMPSM EVFHREITML
PLAIVLFVIM IKDGMEDFKR HRFDKAINCS NIRIYERKEQ TYVQKCWKDV RVGDFIQMKC
NEIVPADILL LFSSDPNGIC HLETASLDGE TNLKQRCVVK GFSQQEVQFE PELFHNTIVC
EKPNNHLNKF KGYMEHPDQT RTGFGCESLL LRGCTIRNTE MAVGIVYAG HETKAMLNNS
GPRYKRSKIE RRMNIDIFFC IGILILMCLI GAVGHSIWNG TFEHPPFDV PDANGSFLPS
ALGGFYMFLT MIILLQVLIP ISLYVSIELV KLGQVFFLSN DLDLYDEETD LSIQCRAINI AEDLGQIQYI
FSDKTGTLTE NKMVFRRCTI MGSEYSHQEN AKRLETPKEL DSDGEEWTQY QCLSF SARWA
QDPATMRSQK GAQPLRRSQS ARVPIQGHYR QRSMGHRSS QPPVAFSSSI EKDVTPDKNL
LTKVRDAALW LETLSDSRPA KASLSTTSSI ADFFLALTIC NSVMVSTTTE PRQRVTIKPS
SKALGTSLEK IQQLFQKLKL LSLSQSFSST APSDSDLGES LGANVATTDS DERDDASVCS
GGDSTDDGGY RSSMWDQGDI LESGSGTSLE EALEAPATDL ARPEFCYEAE SPDEAALVHA

AHAYSFTLVSRTPAQVTVRL PQGTCLTFSL LCTLGFDSVR KRMSVVRHP LTGEIVVYTK
GADSVIMDLL EDPACVPDIN MEKKLRKIRA RTQKHLDLA RDGLRTLCA KKVSEEDFR
RWASFRREAE ASLDNRDELL METAQHLENQ LTLGATGIE DRLQEGVPT IATLREAGIQ
LWVLTGDKQE TAVNIAHSCR LLNQTDVYV INTENQETCE SILNCALEEL KQFRELQKPD
RKLFGFRLPS KTPSITSEAV VPEAGLVIDG KTLNAIFQGK LEKKFLELTQ YCRSVLCCRS
TPLQKSMIVK LVRDKLRVMT LSIGDGANDV SMIQAADIGI GISQEGMQA VMSSDFAITR
FKHLKLLLV HGHWCYSRLA RMVYYYLYKN VCYVNLFWY QFCGFSST MIDYWQMIFF
NLFFTSPLPL VFGVLDKDIS AETLLALPEL YKSGQNSECY NLSTFWISMV DAFYQSLICF
FIPYLAYKGS DIDVFTFGTP INTISLTTIL LHQAMEMKTW TIFHGVLLG SFLMYFLVSL
LYNATCVICN SPTNPFYVME GQLSNPTFYL VCFLTPVVAL LPRYFFLSLQ GTCGKSLISK
AQKIDKLPPD KRNLEIQSWR SRQRPAPVPE VARPTHHPVS SITGQDFSAS TPKSSNPPKR
KHVEESVLHE QRCGTECMRD DSCSGDSSAQ LSSGEHLLGP NRIMAYSRGQ TDMCRCSKRS
SHRRSQSSLT | **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:	ATP10B
Alternative Name:	ATP10B (ATP10B Products)
Background:	Phospholipid-transporting ATPase VB (EC 7.6.2.1) (ATPase class V type 10B) (P4-ATPase flippase complex alpha subunit ATP10B),FUNCTION: Catalytic component of a P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of glucosylceramide (GlcCer) from the outer to the inner leaflet of lysosome membranes. Plays an important role in the maintenance of lysosome membrane integrity and function in cortical neurons. {ECO:0000269 PubMed:32172343}.
Molecular Weight:	165.4 kDa
UniProt:	O94823

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