

Datasheet for ABIN7552478
ATP11B Protein (AA 1-1177) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP11B
Protein Characteristics:	AA 1-1177
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP11B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATP11B Protein expressed in mammalian cells.
Sequence:	MWRWIRQLG FDPHQSDTR TIYVANRFPQ NGLYTPQKFI DNRISSKYT VWNFVPKNLF EQFRRVANFY FLIIFLVQLM IDTPTSPVTS GLPLFFVITV TAIKQGYEDW LRHNSDNEVN GAPVYVVRSG GLVKTRSKNI RVGDIVRIAK DEIFPADLVL LSSDRLDGSC HVTTASLDGE TNLKTHVAVP ETALLQTVAN LDTLVAVIEC QQPEADLYRF MGRMIITQQM EEIVRPLGPE SLLLRGARLK NTKEIFGVAV YTGMEKTMAL NYKSKSQKRS AVEKSMNTFL IYLVILISE AVISTILKYT WQAEKWDPEP WYNQKTEHQR NSSKILRFIS DFLAFLVLYN FIIPISLYVT VEMQKFLGSF FIGWDLDLYH EESDQKAQVN TSDLNEELGQ VEYVFTDKTG TLTENEMQFR ECSINGMKYQ EINGRLVPEG PTPDSSEGNL SYLSSLSHLN NLSHLTTSSS FRTSPENETE LIKEHDLFFK AVSLCHTVQI SNVQTDCTGD GPWQSNLAPS QLEYYASSPD EKALVEAAAR IGIVFIGNSE ETMEVKTLGK LERYKLLHIL EFDSDRRRMS VIVQAPSGEK LLFAKGAESS ILPKCIGGEI EKTRIHVDEF ALKGLRTL CI AYRKFTSKEY EEIDKRIFEA RTALQQREEK LAAVFQFIEK DLILLGATAV EDRLQDKVRE TIEALRMAGI KVVVLTGDKH ETAVSVSLSC GHFHRTMNIL

Product Details

ELINQKSDSE CAEQLRQLAR RITEDHVIQH GLVVDGTSL S LALREHEKLF MEVCRNCSAV
LCCRMAPLQK AKVIRLIKIS PEKPITLAVG DGANDVSMIQ EAHVGIGIMG KEGRQAARNS
DYAIARFKFL SKLLFVHGHEF YYIRIATLVQ YFFYKNVCFI TPQFLYQFYC LFSQQTLYDS
VYLTLYNICF TSLPILYSL LEQHVDPHVL QNKPTLYRDI SKNRLLSIKT FLYWTLGFS HAFIFFFGSY
LLIGKDTSL L GNGQMFGNWT FGTLVFTVMV ITVTVKMALE THFWTWINHL VTWGSIIIFYF
VFSLFYGGIL WPFLGSQNMV FVFIQLLSSG SAWFAILMV VTCLFLDIK KVFDRLHPT
STEKAQLTET NAGIKCLDSM CCFPEGEAAC ASVGRMLERV IGRCSPTTHIS RSWSASDPFY
TNDRSILTLS TMDSSTC **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: ATP11B

Alternative Name: ATP11B ([ATP11B Products](#))

Background: Phospholipid-transporting ATPase IF (EC 7.6.2.1) (ATPase IR) (ATPase class VI type 11B) (P4-

Target Details

ATPase flippase complex alpha subunit ATP11B),FUNCTION: Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids, phosphatidylserines (PS) and phosphatidylethanolamines (PE), from the outer to the inner leaflet of intracellular membranes (PubMed:30018401). May contribute to the maintenance of membrane lipid asymmetry in endosome compartment (PubMed:30018401). {ECO:0000269|PubMed:30018401}.

Molecular Weight: 134.2 kDa

UniProt: [Q9Y2G3](#)

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