

Datasheet for ABIN7552371  
**ATP11C Protein (AA 1-1132) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ATP11C
Protein Characteristics:	AA 1-1132
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP11C protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ATP11C Protein expressed in mammalien cells.
Sequence:	<p>MQMVPSLPPA SECAGEEKRV GTRTVFVGNH PVSETEAYIA QRFCNDRIVS SKYTLWNFLP KNLFEQFRR I ANFYFLIIFL VQVTVDTPS PVTSGPLPLFF VITVTAIKQG YEDCLRHRAD NEVNKSTVYI IENAKRVRKE SEKIKVGDVV EVQADETFPC DLILLSSCTT DGTCYVTTAS LDGESNCKTH YAVRDTIALC TAESIDTLRA AIECEQPQPD LYKFVGRINI YSNSLEAVAR SLGPENLLLK GATLKNTEKI YGVAVYTGME TKMALNYQGK SQKRSAVEKS INAFIVLYLF ILLTKAAVCT TLKYVWQSTP YNDEPWYNQK TQKERETLKV LKMFTDFLSF MVLFNFIIPV SMYVTVEMQK FLGSFFISWD KDFYDEEINE GALVNTSDLN EELGQVDYVF TDKTGTLTEN SMEFIECCID GHKYKGVTEQ VDGLSQT DGT LTYFDKVDKN REELFLRALC LCHTVEIKTN DAVDGATESA ELTYISSSPD EIALVKGAKR YGFTFLGNRN GYMRVENQRK EIEEYELLHT LNFDAVRRRM SVIVKTQEGD ILLFCKGADS AVFPRVQNHE IELTKVHVER NAMDGYRTL C VAFKEIAPDD YERINRQLIE AKMALQDREE KMEKVFDDIE TNMNLIGATA VEDKLQDQAA</p>

## Product Details

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ETIEALHAAG LKVVVLTGDK METAKSTCYA CRLFQTNTEL LELTTKTIEE SERKEDRLHE  
LLIEYRKKLL HEFPKSTRSF KKAWEHQEY GLIIDGSTLS LILNSSQDSS SNNYKSIFLQ  
ICMKCTAVLC CRMAPLQKAQ IVRMVKNLKG SPITLSIGDG ANDVSMILES HVGIGIKGKE  
GRQAARNSDY SVPKFKHLKK LLLAHGHLYY VRIAHLVQYF FYKNLCFILP QFLYQFFCGF  
SQQPLYDAAY LTMYNICFTS LPILAYSLLE QHINIDLTS DPRLYMKISG NAMLQLGPFL  
YWTFLAAFEG TVFFFQTYFL FQTASLEENG KVYGNWTFGT IVFTVLVFTV TLKLALDTRF  
WTWINHFVIW GSLAFYVFFS FFWGGIWPWF LKQQRMYFVF AQMLSSVSTW LAILLIFIS  
LFPEILLIVL KNVRRRSARR NLSCRRASDS LSARPSVRPL LLRTFSDESN VL **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ATP11C

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### Alternative Name:

ATP11C ([ATP11C Products](#))

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### Background:

Phospholipid-transporting ATPase IG (EC 7.6.2.1) (ATPase IQ) (ATPase class VI type 11C) (P4-ATPase flippase complex alpha subunit ATP11C),FUNCTION: Catalytic component of a P4-

## Target Details

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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 the plasma membrane (PubMed:25315773, PubMed:32493773, PubMed:24904167, PubMed:26567335). Major PS-flippase in immune cell subsets. In erythrocyte plasma membrane, it is required to maintain PS in the inner leaflet preventing its exposure on the surface. This asymmetric distribution is critical for the survival of erythrocytes in circulation since externalized PS is a phagocytic signal for erythrocyte clearance by splenic macrophages (PubMed:26944472). Required for B cell differentiation past the pro-B cell stage (By similarity). Seems to mediate PS flipping in pro-B cells (By similarity). May be involved in the transport of cholestatic bile acids (By similarity). {ECO:0000250|UniProtKB:Q9QZW0, ECO:0000269|PubMed:24904167, ECO:0000269|PubMed:25315773, ECO:0000269|PubMed:26944472, ECO:0000269|PubMed:32493773}.

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Molecular Weight: 129.5 kDa

UniProt: [Q8NB49](#)

## Application Details

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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

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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