

Datasheet for ABIN7565171
ATP11C Protein (AA 1-1129) (His tag)



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Overview

Quantity:	1 mg
Target:	ATP11C
Protein Characteristics:	AA 1-1129
Origin:	Mouse
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:	MFRRTLNRLC AGEEKRVGTR TVFVGNHPIS GTEPYIAQRF CDN RivSSKY TLWNFLPKNL FEQFRRIANF YFLIIFLVQV TVDPTSPVT SGLPLFFVIT VTAIKQGYED WLRHRADNEV NKSAVYIEN AKRVRKESEK IKVGDVVEVQ ANETFPCDLI LLSSCTTDGT CYVTTASLDG ESNCKTHYAV RDIALCTAE SIDNLRATIE CEQPQPDLYR FVGRISIYSN SIEAVARSLG PENLLLKGAT LKNTKKIYGV AVYTGME TKM ALNYQGKSQK CSAVEKSINA FLIVYLFILL TKAAVCTTLK YVWQSSPYND EPWYNQKTQK ERETQVLK M FDFLSFMVL FNFIIPVSMY VTVEMQKFLG SFFISWDKDF FDEEINEGAL VNTSDLNEEL GQVDYVFTDK TGTLTENSME FIECCIDGHK YKGT TQEVDG LSQTDGPLAY FDKADKNREA LFLRALCLCH TVEMKTND DV DGPVEGAGFT YISSSPDEIA LVKGAKRFGF TFLGNQNGYI RVENQRKEIE EYELLHTLNF DSVRRRMSVI VRTQKGDILL FCKGADSSIF PRVHSHQIEL TKDHVERNAM DGYRTL CVAF KEIPPDDFER INAQLVEAKM ALQDREEKLE KVFDEIETNM N LIGATAVED KLQDQAAETI

Product Details

EALHAAGLKV WVLTGDKMET AKSTCYACRL FQTNTELEL TTKTIEESER KEDRLHELLI
EYRKLLHEF PKSTRSLKKA WTEHQEYGLI IDGSTLSLIL NSSQDCSSNN YKSIFLQICM
KCTAVLCCRM APLQKAQIVR MVKNLKGSPILSIGDGAND VSMILESHVG IGIKKEGRQ
AARNSDYSVP KFKHLKLLL VHGHLYYVRI AHLVQYFFYK NLCFILPQFL YQFFCGFSQQ
PLYDAAYLTM YNICFTSLPI LAYSLLEQHI NIDTLTADPR LYMKITGNAM LQLGPFLHWT
FLAAFEQTVF FFGTYFLFQT SSLEDNGKIY GNWTFGTIVF TVLVFTVTLK LALDTRFWTW
INHFVIWGSL AFYVFFSFFW GGIIWPFLKQ QRMVFVFAQM LCSVSTWLAI ILLIFISLFP
EILLIVKKNV RRRSARRNLS CRRASDSLSA RPSVRPLLLR TFSDESNIL **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:

ATP11C

Alternative Name:

Atp11c ([ATP11C Products](#))

Background:

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

Target Details

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:24904167, PubMed:26799398, PubMed:30018401, PubMed:24898253). Major PS-flippase in immune cell subsets (PubMed:30018401). 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:24898253). Required for B cell differentiation past the pro-B cell stage (PubMed:21423173). Seems to mediate PS flipping in pro-B cells (PubMed:21423172, PubMed:26799398). May be involved in the transport of cholestatic bile acids (PubMed:21518881). {ECO:0000269|PubMed:21423172, ECO:0000269|PubMed:21423173, ECO:0000269|PubMed:21518881, ECO:0000269|PubMed:24898253, ECO:0000269|PubMed:24904167, ECO:0000269|PubMed:26799398, ECO:0000269|PubMed:30018401}.

Molecular Weight: 129.2 kDa

UniProt: [Q9QZW0](#)

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