

Datasheet for ABIN7552377

ATP8B3 Protein (AA 1-1300) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP8B3
Protein Characteristics:	AA 1-1300
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP8B3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATP8B3 Protein expressed in mammalian cells.
Sequence:	MGTGPAQTPR STRAGPEPSP APPGPGDTGD SDVTQEGSGP AGIRGGETVI RAGMGDSPGR GAPERRHKAQ PGRARKYEW R PEGPTSMGSL GQREDLQDED RNAFTWKVQ ANNRAYNGQF KEKVILCWQR KKYKTNVIRT AKYNFY SFLP LNLYEQFHRV SNLFFLI III LQSIPDISTL PWFSLS TPMV CLLFIRATRD LVDDMGRHKS DRAINNRPCQ ILMGKSFKQK KWQDLCVGDV VCLRKDNIVP ADM LLLASTE PSSLCYVETV DIDGETNLKF RQALMVTHKE LATIKKMASF QGTVTCEAPN SRMH H FVGCL EWNDKKYSLD IGNLLLRGCR IRNTDTCYGL VIYAGFDTKI MKNCGKIHLK RTKLDLLMNK LVVVIFISVV LVCLVLAFGF GFSVKEFKDH HYYLSGVHGS SVAAESFFVF WSFLILLSVT IPMSMFI LSE FIYLGNSVFI DWDVQMYYPK QDVPAKARST SLNDHLGQVE YIFSDKTGTL TQNILTFNKC CISGRVYGPD SEATTRPKEN PYLWNKFADG KLLFHNAALL HLVRTNGDEA VREFWRLLAI CHTVMVRESP RERPDQLLYQ AASPDEGALV TAARNFGYVF LSRTQDTV TI MELGEERVYQ VLAIMDFNST RKRMSVLVRK PEGAICLYTK GADTVIFERL HRRGAMEFAT EEALAAFAQE TLRTLCLAYR EVAEDIYEDW QQRHQEASLL

LQNRAQALQQ LLGATAIEDR LQDGVPETIK CLKKSNIKIW VLTGDKQETA VNIGFACELL
SENMLILEEK EISRILETYW ENSNNLLTRE SLSQVKLALV INGDFLDKLL VSLRKEPRAL
AQNVMDEAW QELGQSRRDF LYARRLSLLC RRFGLPLAAP PAQDSRARRS SEVLQERAFV
DLASKCQAVI CCRVTPKQKA LIVALVKKYH QVVTLAIGDG ANDINMIKTA DVGVGLAGQE
GMQAVQNSDF VLGQFCFLQR LLLVHGRWSY VRICKFLRYF FYKSMASMMV QVWFACYNGF
TGQPLYEGWF LALFNLLYST LPVLYIGLFE QDVSAEQSLE KPELYVVGQK DELFNYWVFW
QAIAHGVTTS LVNFFMTLWI SRDTAGPASF SDHQSFVAVV ALSCLLSITM EVILIIKYWT
ALCVATILLS LGFYAIMTTT TQSFWLFRVS PTTFPFLYAD LSMSSPSIL LVLLSVSIN
TFPVLALRVI FPALKELRAK EEKVEEGPSE EIFTMEPLPH VHRESRARRS SYAFSHREGY
ANLITQGIL RRGPGVSSDI ASESLDPSDE EAASSPKESQ **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:	ATP8B3
Alternative Name:	ATP8B3 (ATP8B3 Products)
Background:	Phospholipid-transporting ATPase IK (EC 7.6.2.1) (ATPase class I type 8B member 3),FUNCTION: P4-ATPase flippase which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules. May be responsible for the maintenance of asymmetric distribution of phosphatidylserine (PS) in spermatozoa membranes. Involved in acrosome reactions and binding of spermatozoa to zona pellucida. {ECO:0000250 UniProtKB:Q6UQ17}.
Molecular Weight:	146.8 kDa
UniProt:	O60423

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