Datasheet for ABIN7552460

ATP8B2 Protein (AA 1-1209) (His tag)

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Overview

Quantity:	1 mg
Target:	ATP8B2
Protein Characteristics:	AA 1-1209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP8B2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATP8B2 Protein expressed in mammalian cells.
Sequence:	MTVPKEMPEK WARAQAPPSW SRKKPSWGTE EERRARANDR EYNEKFQYAS NCIKTSKYNI LTFLPVNLFE QFQEVANTYF LFLLILQLIP QISSLSWFTT IVPLVLVLTI TAVKDATDDY FRHKSDNQVN NRQSQVLING ILQQEQWMNV CVGDIIKLEN NQFVAADLLL LSSSEPHGLC YIETAELDGE TNMKVRQAIP VTSELGDISK LAKFDGEVIC EPPNNKLDKF SGTLYWKENK FPLSNQNMLL RGCVLRNTEW CFGLVIFAGP DTKLMQNSGR TKFKRTSIDR LMNTLVLWIF GFLVCMGVIL AIGNAIWEHE VGMRFQVYLP WDEAVDSAFF SGFLSFWSYI IILNTVVPIS LYVSVEVIRL GHSYFINWDK KMFCMKKRTP AEARTTTLNE ELGQVEYIFS DKTGTLTQNI MVFNKCSING HSYGDVFDVL GHKAELGERP EPVDFSFNPL ADKKFLFWDP SLLEAVKIGD PHTHEFFRLL SLCHTVMSEE KNEGELYYKA QSPDEGALVT AARNFGFVFR SRTPKTITVH EMGTAITYQL LAILDFNNIR KRMSVIVRNP EGKIRLYCKG ADTILLDRLH HSTQELLNTT MDHLNEYAGE GLRTLVLAYK DLDEEYYEEW AERRLQASLA QDSREDRLAS IYEEVENNMM LLGATAIEDK LQQGVPETIA LLTLANIKIW VLTGDKQETA VNIGYSCKML TDDMTEVFIV

Product Details

	TGHTVLEVRE ELRKAREKMM DSSRSVGNGF TYQDKLSSSK LTSVLEAVAG EYALVINGHS LAHALEADME LEFLETACAC KAVICCRVTP LQKAQVVELV KKYKKAVTLA IGDGANDVSM IKTAHIGVGI SGQEGIQAVL ASDYSFSQFK FLQRLLLVHG RWSYLRMCKF LCYFFYKNFA FTMVHFWFGF FCGFSAQTVY DQYFITLYNI VYTSLPVLAM GVFDQDVPEQ RSMEYPKLYE PGQLNLLFNK REFFICIAQG IYTSVLMFFI PYGVFADATR DDGTQLADYQ SFAVTVATSL VIVVSVQIGL DTGYWTAINH FFIWGSLAVY FAILFAMHSN GLFDMFPNQF RFVGNAQNTL AQPTVWLTIV LTTVVCIMPV VAFRFLRLNL KPDLSDTVRY TQLVRKKQKA QHRCMRRVGR TGSRRSGYAF SHQEGFGELI MSGKNMRLSS LALSSFTTRS SSSWIESLRR KKSDSASSPS GGADKPLKG **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:	ATP8B2
Alternative Name:	ATP8B2 (ATP8B2 Products)

Target Details

Background:	Phospholipid-transporting ATPase ID (EC 7.6.2.1) (ATPase class I type 8B member 2) (P4-ATPase flippase complex alpha subunit ATP8B2),FUNCTION: Catalytic component of P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of phosphatidylcholine (PC) from the outer to the inner leaflet of the plasma membrane. May contribute to the maintenance of membrane lipid asymmetry. {ECO:0000269|PubMed:25315773}.
Molecular Weight:	137.4 kDa
UniProt:	P98198

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