

Datasheet for ABIN7551794

ABCB11 Protein (AA 1-1321) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCB11
Protein Characteristics:	AA 1-1321
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCB11 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ABCB11 Protein expressed in mammalian cells.
Sequence:	MSDSVILRSI KKFGEENDGF ESDKSYNNNDK KSRLQDEKKG DGVRVGFFQL FRFSSSTDIW LMFVGSLCAF LHGIAQPGVL LIFGTMTDVF IDYDVELQEL QIPGKACVNN TIVWTNSSLN QNMTNGTRCG LLNIESEMIK FASYAGIAV AVLITGYIQI CFWVIAAARQ IQKMRKFYFR RIMRMEIGWF DCNSVGELNT RFSDDINKIN DAIADQMALF IQRMTSTICG FLLGFFRGWK LTLVIISVSP LIGIGAATIG LSVSKFTDYE LKAYAKAGVV ADEVISSMRT VAAFGGEKRE VEREKNLVF AQRWGIRKGI VMGFFTGFVW CLIFLCYALA FWYGSTLVLD EGEYTPGTLV QIFLSVIVGA LNLGNASPCL EAFATGRAAA TSIFETIDRK PIIDCMSEDG YKLDRIKGEI EFHNVTFHYP SRPEVKILND LNMVIKPGEM TALVGPSGAG KSTALQLIQR FYDPCEGMVT VDGHDIRSLN IQWLRDQIGI VEQEPVLFST TIAENIRYGR EDATMEDIVQ AAKEANAYNF IMDLPQQFDT LVGEGGGQMS GGQKQ RVAIA RALIRNPKIL LDMATSALD NESEAMVQEV LSKIQHGHTI ISVAHRLSTV RAADTIIGFE HGTAVERGTH EELLERKGVY FTLVTLQSQG

NQALNEEDIK DATEDDMLAR TFSRGSYQDS LRASIRQRSK SQLSYLVHEP PLAVVDHKST
YEEDRKDKDI PVQEEVEPAP VRRILKFSAP EWPYMLVGSV GAAVNGTVTP LYAFLFSQIL
GTFSIPDKEE QRSQINGVCL LFMVAMGCVSL FTQFLQGYAF AKSGELLTKR LRKFGFRAML
GQDIAWFDDL RNSPGALTTR LATDASQVQG AAGSQIGMIV NSFTNVTVM IAFSFSWKL
SLVILCFFPF LALSGATQTR MLTGFAFRDK QALEMVGQIT NEALSNIRTV AGIGKERRFI
EALETELEKP FKTAIQKANI YGFCFAFAQC IMFIANSASY RYGGYLISNE GLHFSYVFRV
ISAVVLSATA LGRAFSYTPS YAKAKISAAR FFQLLDRQPP ISVYNTAGEK WDNFQKGIDF
VDCKFTYPSR PDSQVLNGLS VSISPGQTLA FVGSSGCGKS TSIQLLERFY DPDQGKVMID
GHDSKKVNVQ FLRSNIGIVS QEPVLFACSI MDNIKYGDNT KEIPMERVIA AAKQAQLHDF
VMSLPEKYET NVGSQGSQSL RGEKQRIAIA RAIVRDPKIL LLDEATSALD TESEKTVQVA
LDKAREGRTC IVIAHRLSTI QNADIIVMA QGVVIEKGTH EELMAQKGAY YKLVTGSGPI S

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:	ABCB11
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Target Details

Alternative Name:	ABCB11 (ABCB11 Products)
Background:	Bile salt export pump (EC 7.6.2.-) (ATP-binding cassette sub-family B member 11),FUNCTION: Catalyzes the transport of the major hydrophobic bile salts, such as taurine and glycine-conjugated cholic acid across the canalicular membrane of hepatocytes in an ATP-dependent manner, therefore participates in hepatic bile acid homeostasis and consequently to lipid homeostasis through regulation of biliary lipid secretion in a bile salts dependent manner (PubMed:16332456, PubMed:22262466, PubMed:15791618, PubMed:18985798, PubMed:19228692, PubMed:20398791, PubMed:24711118, PubMed:29507376, PubMed:20010382, PubMed:32203132). Transports taurine-conjugated bile salts more rapidly than glycine-conjugated bile salts (PubMed:16332456). Also transports non-bile acid compounds, such as pravastatin and fexofenadine in an ATP-dependent manner and may be involved in their biliary excretion (PubMed:15901796, PubMed:18245269). {ECO:0000269 PubMed:15791618, ECO:0000269 PubMed:15901796, ECO:0000269 PubMed:16332456, ECO:0000269 PubMed:18245269, ECO:0000269 PubMed:18985798, ECO:0000269 PubMed:19228692, ECO:0000269 PubMed:20010382, ECO:0000269 PubMed:20398791, ECO:0000269 PubMed:22262466, ECO:0000269 PubMed:24711118, ECO:0000269 PubMed:29507376, ECO:0000269 PubMed:32203132}.
Molecular Weight:	146.4 kDa
UniProt:	O95342

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

Handling

Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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