

Datasheet for ABIN7565154

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



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Overview

Quantity:	1 mg
Target:	ABCB11
Protein Characteristics:	AA 1-1321
Origin:	Mouse
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:	<p>MSDSVILRSV KKFGEENHAF ESDGFHNNDK KSRLQDKKKG EGARVGFFEL FRFSSSKDNW</p> <p>LMFMGVCAL LHGMAQPGMI IVFGILTDF VEYDIERQEL SIPEKVCMMN TIVWINSSFN</p> <p>QNMTNGTSCG LVDINSEVIK FSGIYAGGV AVLLILGYFQI RLWVITGARQ IRKMRKFYFR</p> <p>RIMRMEIGWF DCTSVGELNS RFSDDINKID EAIADQMALF LQRLSTALSG LLLGFYRGWK</p> <p>LTLVILAVSP LIGIGAAVIG LSVAKFTELE LKAYAKAGSI ADEVLSSIRT VAAFGGENKE</p> <p>VEREKNLMF AQRWGIWKGM VMGFFTGYMW CLIFFCYALA FWYGSRLVLD EGEYTPGTLI</p> <p>QIFLCVIAA MNIGNASSCL EIFSTGCSAA SSIFQTIDRQ PVMDCMSGDG YKLDRIKGEI</p> <p>EFHNVTFHYP SRPEVKILNN LSMVIKPGET TAFVGSSGAG KSTALQLIQR FYDPCEGMVT</p> <p>LDGHDIRSLN IRWLRDQIGI VEQEPVLFST TIAENIRLGR EEATMEDIVQ AAKDANAYNF</p> <p>IMALPQQFDT LVGEGGGQMS GGQKQRVAIA RALIRKPKIL LLDMATSALE NESEAKVQGA</p> <p>LNKIQHGHTI ISVAHRLSTV RSADVIIGFE HGTAVERGTH EELLERKGVY FMLVTLQSQE</p>

DNTHKETGIK GKDTTEGDTP ERTFSRGSYQ DSLRASIRQR SKSQLSHLSH EPPLAIGDHK
SSYEDRKDND VLVEEVEPAP VRRILKYNIS EWPYILVGAL CAAINGAVTP IYSLIFSQIL
KTFSLVDKEQ QRSEIYSMCL FFVILGCVSL FTQFLQGYNF AKSGELLTKR LRKFGFKAML
RQDIGWFDDL KNNPGVLTR LATDASQVQG ATGSQVGMV NSFTNIFVAV LIAFLFNWKL
SLVISVFFPF LALSGAVQTK MLTGFASQDK EILEKAGQIT NEALSNIQTV AGIGVEGRFI
KAFEVELEKS YKTAIRKANV YGLCYAFSQG ISFLANSAAY RYGGYLIVYE DLNFSYVFRV
VSSIAMSATA VGRTFSTYTPS YAKAKISAAR FFQLLDRKPP IDVYSGAGEK WDNFQKGIDF
IDCKFTYPSR PDIQVLNGLS VSVDPGQTLA FVGSSGCGKS TSIQLLERFY DPDQGTVMID
GHDSKKVNVQ FLRSNIGIVS QEPVLFDCSI MDNIKYGDNT KEISVERAIA AAKQAQLHDF
VMSLPEKYET NVGIQGSQSL RGEKQRIAIA RAIVRDPKIL LLDEATSALD TESEKTVQLA
LDKAREGRTC IVIAHRLSTI QNSDIIAVMS QGVVIEKGTH KKLMDQKGAY YKLVITGAPI 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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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:	<p>Bile salt export pump (EC 7.6.2.-) (ATP-binding cassette sub-family B member 11) (Sister of P-glycoprotein),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:14570929, PubMed:11172067, PubMed:23764895, PubMed:22619174, PubMed:19228692). Transports taurine-conjugated bile salts more rapidly than glycine-conjugated bile salts (By similarity). Also transports non-bile acid compounds, such as pravastatin and fexofenadine in an ATP-dependent manner and may be involved in their biliary excretion (By similarity). {ECO:0000250 UniProtKB:O95342, ECO:0000269 PubMed:11172067, ECO:0000269 PubMed:14570929, ECO:0000269 PubMed:19228692, ECO:0000269 PubMed:22619174, ECO:0000269 PubMed:23764895}.</p>

Molecular Weight: 146.7 kDa

UniProt: [Q9QY30](#)

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