

Datasheet for ABIN7562747

ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B) (AA 1-1276) protein (His tag)



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Overview

Quantity:	1 mg
Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)
Protein Characteristics:	AA 1-1276
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Abcb1b Protein expressed in mammalien cells.
Sequence:	MEFEENLKGR ADKNFSKMGK KSKKEKKEKK PAVGVFGMFR YADWLDKLCM ILGTLAAIIH GTLPLMLLV FGNMTDSFTK AEASILPSIT NQSGPNSTLI ISNSSLEEEM AIYAYYYTGI GAGVLIVAYI QVSLWCLAAG RQIHKIRQKF FHAIMNQEIG WFDVHDVGEL NTRLTDDVSK INDGIGDKIG MFFQSITTFL AGFIIGFISG WKLTLVILAV SPLIGLSSAL WAKVLTSFTN KELQAYAKAG AVAAEVLAAI RTVIAFGGQQ KELERYNKNL EEAKNVGIKK AITASISIGI AYLLVYASYA LAFWYGTSLV LSNEYSIGEV LTVFFSILLG TFSIGHLAPN IEAFANARGA AFEIFKIIDN EPSIDSFSTK GYKPDSIMGN LEFKNVHFNY PSRSEVQILK GLNLKVKSGQ TVALVGNSGC GKSTTVQLMQ RLYDPLEGVV SIDGQDIRTI NVRYLREIIG VVSQEPVLFA TTIAENIRYG REDVTMDEIE KAVKEANAYD FIMKLPHQFD TLVGERGAQL SGGQKQRIAI ARALVRNPKI LLLDEATSAL DTESEAVVQA ALDKAREGRT TIVIAHRLST VRNADVIAGF DGGVIVEQGN HDELMREKGI YFKLVMTQTR GNEIEPGNNA YGSQSDTDAS ELTSEESKSP

LIRRSIYRSV HRKQDQERRL SMKEAVDEDV PLVSFWRILN LNLSEWPYLL VGVLCAVING
CIQPVFAIVF SRIVGVFSRD DDHETKRQNC NLFSLFFLVM GLISFVTYFF QGFTFGKAGE
ILTKRVRYMV FKSMLRQDIS WFDDHKNSTG SLTTRLASDA SSVKGAMGAR LAVVTQNVAN
LGTGVILSLV YGWQLTLLLV VIIPLIVLGG IEMKLLSGQ ALKDKKQLEI SGKIATEAIE NFRTIVSLTR
EQKFETMYAQ SLQVPYRNAM KKAHVFGITF SFTQAMMYFS YAACFRFGAY LVAQQLMTFE
NVMLVFSAVV FGAMAAGNTS SFAPDYAKAK VSASHIIRII EKTPEIDSYS TEGLKPTLLE
GNVKFNGVQF NYPTRPNIPV LQGLSLEVKK GQTLALVGSS GCGKSTVVQL LERFYDPMAG
SVFLDGKEIK QLNVQWLR AH LGIVSQEPIL FDCSIAENIA YGDNSRAVSH EEIVRAAKEA
NIHQFIDSLP DKYNTRVGDK GTQLSGGQKQ RIAIARALVR QPHILLLDEA TSALDTESEK
VVQEALDKAR EGRTCIVIAH RLSTIQNADL IVVIENGKVK EHGTHQQLA QKGIYFSMVQ AGAKRS

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:

ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)

Alternative Name:

Abcb1b ([ABCB1B Products](#))

Target Details

Background: ATP-dependent translocase ABCB1 (ATP-binding cassette sub-family B member 1B) (Multidrug resistance protein 1B) (EC 7.6.2.2) (P-glycoprotein 1) (Phospholipid transporter ABCB1) (EC 7.6.2.1) (CD antigen CD243),FUNCTION: Translocates drugs and phospholipids across the membrane. Catalyzes the flop of phospholipids from the cytoplasmic to the exoplasmic leaflet of the apical membrane. Participates mainly to the flop of phosphatidylcholine, phosphatidylethanolamine, beta-D-glucosylceramides and sphingomyelins. Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells. {ECO:0000250|UniProtKB:P08183}.

Molecular Weight: 141.0 kDa

UniProt: [P06795](#)

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