

Datasheet for ABIN7562958

ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1A (ABCB1A) (AA 1-1276) protein (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1A (ABCB1A)
Protein Characteristics:	AA 1-1276
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Abcb1a Protein expressed in mammalian cells.
Sequence:	MELEEDLKGR ADKNFSKMGK KSKKEKKEKK PAVSVLTMFR YAGWLDRLYM LVGTLAAIIH GVALPLMMLI FGDMTDSFAS VGNVSKNSTN MSEADKRAMF AKLEEEMTTY AYYTIGIGAG VLIVAYIQVS FWCLAAGRQI HKIRQKFFHA IMNQEIGWFD VHDVGELNTR LTDDVSKINE GIGDKIGMFF QAMATFFGGF IIGFTRGWKL TLVILAISPV LGLSAGIWAK ILSSFTDKEL HAYAKAGAVA EEVLAAIRTV IAFGGQKKEL ERYNNNLEEA KRLGIKKAIT ANISMGA AFL LIYASYALAF WYGTSLVISK EYSIGQVLT VFFSVLIGAFS VGQASP NIEA FANARGAAYE VFKIIDNKPS IDFSKSGHK PDNIQGNLEF KNIHFSYPSR KEVQILKGLN LKVKSGQTVA LVGNSGCGKS TTVQLMQRLY DPLDGMV SID GQDIRTINVR YLREIIGVVS QEPVLFATTI AENIRY GRED VTMDEIEKAV KEANAYDFIM KLPHQFDTLV GERGAQLSGG QKQRIAIARA LVRNPKILL DEATSALDTE SEAVVQAALD KAREGRTTIV IAHLSTVRN ADVIAGFDGG VIVEQGNHDE LMREKGIYFK LVMTQTAGNE IELGNEACKS KDEIDNLDMS SKDSGSSLR RRSTRKSICG PHDQDRKLST KEALDEDVPP ASFWRILKLN STEWPYFVVG IFCAIINGGL

Product Details

QPAFSVIFSK VVGVFTNGGP PETQRQNSNL FSLLFLILGI ISFITFFLQG FTFGKAGEIL
TKRLRYMVFK SMLRQDVSWF DDPKNTTGAL TTRLANDAAQ VKGATGSRLA VIFQNIANLG
TGIISLIYG WQLTLLLLAI VPIIAIAGVV EMKMLSGQAL KDKKELEGSQ KIATEAIENF RTVVSLTREQ
KFETMYAQLS QIPYRNAMKK AHVFGITFSF TQAMMYFSYA ACFRFGAYLV TQQLMTFENV
LLVFSIVFG AMAVGQVSSF APDYAKATVS ASHIIIRIEK TPEIDSYSTQ GLKPNMLEGN
VQFSGVVFNY PTRPSIPVLQ GLSLEVKKGQ TLALVGSSGC GKSTVVQLE RFYDPMAGSV
FLDGKEIKQL NVQWLRAQLG IVSQEPILFD CSAENIAYG DNSRVVSYEE IVRAAKEANI
HQFIDSLPK YNTRVGDKGT QLSSGGQKQRI AIARALVRQP HILLLDEATS ALDTESEKVV
QEALDKAREG RTCIVIAHRL STIQNADLIV VIQNGKVKEH GTHQQLLAQK GIYFSMVSQV 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.

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: ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1A (ABCB1A)

Target Details

Alternative Name: [Abcb1a \(ABCB1A Products\)](#)

Background: ATP-dependent translocase ABCB1 (ATP-binding cassette sub-family B member 1A) (MDR1A) (Multidrug resistance protein 1A) (EC 7.6.2.2) (Multidrug resistance protein 3) (P-glycoprotein 3) (Phospholipid transporter ABCB1) (EC 7.6.2.1),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 (PubMed:8898203). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (By similarity). {ECO:0000250|UniProtKB:P08183, ECO:0000269|PubMed:8898203}.

Molecular Weight: 140.6 kDa

UniProt: [P21447](#)

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