

Datasheet for ABIN7564665

ABCA8 Protein (AA 1-1620) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCA8
Protein Characteristics:	AA 1-1620
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCA8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Abca8b Protein expressed in mammalian cells.
Sequence:	MIKREISVRQ QTCALLQKNL LKKWRLKRES LMEWVSSLLL LLFLYWYPHG HGATDLSSVP TKDLGRVDSF RQSGFMIGYT PVTSMQTQIM EKVAATPFMA DKKVLGLLDE ENIKELTESH AEIIRVIFSD TFSYHLKFQF DQRIPTSREL RDHNAHCDGL YEDVNCLIAI FWKEGFVALQ AAINAAIIET TTNHSVMEEL LSVSGKFMKI HPFVRQEGIL TDFIFTCTII SFSPITYYVS INVARERKRM KGLMMMMGLR DPAFWLSWGL LYAGFVFIMA LSLALVIKSV QFFILTSFMV VFSFLFLYGL SMITLAFLMS ALVRKSVLTG LSVFLLTIFW GSLGFTSLYR YLPAPVEWTL SLFSPFAFTL GMAQLLRVDY DLNSNAPPDP ASGSNLIAT NFMLVFDAFL YLALMMYFEK VLPNEYGHQH SPLFFLKSSF WLQTRKPAHV ILEDGIDPVP SSGDSFEPVS PEFHGKESIR IRNISKEYKG KPNKIEALKD LTLDIYEGQI TAVLGHSAG KSTLLNILSG LSVPTKGSVT IYNNNLSEMA DLENILRIAG VCPQANVQFD FLTVRENRL FAKIRGIPPQ DVEKEVQRVL LELEMKNIQN ILAQNLSSGGQ KRKLTFGIAI LGDSQIFLLD EPTAGLDPFS RHRVWNLLKE RRADRVVLF

TQFMDEADIL ADRKVFISNG RLKCAAGSSLF LKKKWGVGYH LSLQLKEVCV PENITSLVKQ
HIPAAKLSAE GEGKLLYTLP LETTYRFPEL CQSLDSCPGL GIENYGVSM T LNEVFLKLE
GKASIDEPEV DIVGEGQTER SGDTERLMEM EQTLSSLRET EKTDGMALWR QQTCAIAKVR
LLKLKHERKT LLSVLLILVV GICPFLFENI STKIRQSSYT WELSPHDYFL APGQQPQGML
TQLLIINKTE ASIDDFIHSV ERQNIALEVD ASGTRDGTDD PSYNGALIVS GNEKNHSFSF
ACNTKRLNCF PVLMDILSNG LLGMVKPSAR IQTDRSTYLM DETIHPLEDL WKTAFWLILT
SACPPYIAMS SVTDYKNRAW FQLRVSGLFP SAYWVGQAMV DIPLYCFVFL FMSLMDYLFR
FPDTMFSIIS HVIQPCSVG Y AISLIFLT Y VISFISRKGK KNSGIWSLSF Y IITVFSVAV ILLAFDVG
T QYYIIFLIPP STLVGCLILS LHLFIGQIFE EGQVIEPFLV FLIPFLHVFI FIFTLRCLEW KFGKKTMRKD
PIFRISPRNN DVYQNPEEPE DEDEDVQMER MRTANALVST SFDEKPVIIA SCLRKEYAGK
QKHCLSKKKA KIATRNVSFC VRKGEILGGL GHNGAGKSTS LKMISGDTKV TAGQVLLKGS
REGDTPGFLG YCPQENALWP NLTVKEHLEI FAAVRGLRKS HAAVAITRLA DALKLQDQLK
SPVKTLSEGV KRKLCFVLSI LGNPSILLLD EPSTGLDPEG QQQIWQAIRA IIKNTDRGAL
LTTHYMAEAE ALCDRVAILV SGRLRCIGSI QHLKSKFGKD YLLEMKVCTL EQVEPLNTEI
LRLFPQASRQ ERYSSLMAYK LPVEAVQPLS QAFFKLEKVK QTFDLEEYSL SQSTLEQVFL
ELSKEQELDG LELEELDSSI KWKLLPQEEA **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

Product Details

Grade: custom-made

Target Details

Target: ABCA8

Alternative Name: Abca8b ([ABCA8 Products](#))

Background: ABC-type organic anion transporter ABCA8B (EC 7.6.2.-) (ATP-binding cassette sub-family A member 8B),FUNCTION: Mediates cholesterol and taurocholate efflux (PubMed:28882873). Through the interaction with ABCA1 potentiates the cholesterol efflux to lipid-free APOA1, in turn regulates high-density lipoprotein cholesterol levels (By similarity). {ECO:0000250|UniProtKB:O94911, ECO:0000269|PubMed:28882873}.

Molecular Weight: 183.0 kDa

UniProt: [Q8K440](#)

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