

Datasheet for ABIN7564668

ABCA5 Protein (AA 1-1642) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCA5
Protein Characteristics:	AA 1-1642
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCA5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Abca5 Protein expressed in mammalian cells.
Sequence:	MATAIRDVGW WRQTRTLLK NYLIKCRKK SSVQEILFPL FFLFWLILVS MMHPNKKYEE VSDIELSPMD KFSLSNVILG YTPVTNITSS IMQRVSTDHL PKVIVTEEYA NEKELVAASL SKSSNFVGVV FKDTMSYELR FPEMIPVSS IYMNSREGCS KTCDAQYWS LGFTVLQASI DAAIQLKTN VSVWSELEST KAVIMGEAAV VEIDTFPRGV ILIYLVIAFS PFGYFLAIHI VAEKEKKLKE FLKIMGLHDT AFWLSWVLLY ASLIFLMSLL MAVIATASSL FPQSSSIVIF LLFFLYGLSS VFFALMLTPL FKSKHVGWV EFFVTVWFGF VGLLIVLIES FPRSLVWLFS PLCQCAFLIG IAQVMHLEDF NEGALFSNLT EGPYPLIITI IMLALDSVFY VLLAVYLDQV IPGEFGLRRS SLYFLKPSYW SKNKRNYKEL SEGNINGNIS LNEIVEPVSS EFIGKEAIRI SGIQKSYRKK TENVEALRNL SFDIYEGQIT ALLGHSGTGK STLMNILCGL CPPSDGFASI YGHRVSEIDE MFEARKMIGI CPQSDINFDV LTVEENLSIL ASIKGIPANN IIQEVQKVLL DLDMQAIKDN QAKKLSGGQK RKLSVGIAVL GNPKILLLDE PTAGMDPCSR HIVWNLLKYR KANRVTVFST

HFMDADILA DRKAVISQGM LKCVGSSIFL KSKWIGIGYRL SMYIDRYCAT ESLSLVRQH
IPAAALLQQN DQQLVYSLPF KDMDKFSGLF SALDIHSNLG VISYGVSMIT LEDVFLKLEV
EAEIDQADYS VFTQQPREEE TDSKSFDEME QSLILSETK ASSVSTMSLW KQQVSTIAKF
HFLSLKRESK SVRAVLLLLL IFFAVQIFMF FLHHSFKNAV VPIKLVPDLY FLKPGDKPHK
YKTSLLLQNS TSDINGLIE FFAHQNMVA MFNDSYVSA APHSAALNVV RSEKDYVFSA
VFNSTMVYCL PVMMNIISNY YLYHLNVTEA IQTWSTPFIQ EITDIVFKIE LYFQAALLGI
IVTAMPPYFA MENAENHKIK AYTQLKLSGL LPSAYWVGQA VVDIPLFFVW LILMLGSLFA
FHHGLYFPA KFLAVVFCLL AYVPSVILFT YIASFTFKKI LNTKEFWSFI YSVTALACVA
ITETTFLLQY AVTAVFHYTF CIAIPIYPLL GCLISFIKGS WKNMPKNENT YNPWDRLLVA
VIMPYLQCIL WIFLLQHYEK IHGGRSIRKD PFFRALSQKA KNKKFPEPPI NEDEDEDVKA
ERLKVKELMG CQCCEEKPAI MVCNLHKEYD DKKDFLHSRK TTKVATKYIS FCVKKGEILG
LLGPNAGAGS TVINTLVGDV EPTSGKIFLG DYGSHSSEDD ESIKCMGYCP QTNPLWPDLT
LQEHFEIYGA VKGMSPGDMK EVISRITKAL DLKEHLQKTV KKLPAIGIRK LCFALSMLGN
PQVTLLEPS TGMDPRAKQH MWRAIRTAFA NKKRAALLTT HYMEAEAVC DRVAIMVSGQ
LRCIGTVQHL KSKFGKGYFL EIKLKDWIEN LEIDRLQREI QYIFPNASRQ ESFSSILAFK
IPKEDVQSLS QSFAKLEEK RTFAIEEYSF SQATLEQVFV ELTKEQEEED NSCGTLASTL
WWERTQEDRV VF **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:	ABCA5
Alternative Name:	Abca5 (ABCA5 Products)
Background:	Cholesterol transporter ABCA5 (EC 7.6.2.-) (ATP-binding cassette sub-family A member 5),FUNCTION: Cholesterol efflux transporter in macrophages that is responsible for APOAI/high-density lipoproteins (HDL) formation at the plasma membrane under high cholesterol levels and participates in reverse cholesterol transport (PubMed:25125465, PubMed:32687853, PubMed:20382126). May play a role in the processing of autolysosomes (PubMed:15870284). {ECO:0000269 PubMed:15870284, ECO:0000269 PubMed:20382126, ECO:0000269 PubMed:25125465, ECO:0000269 PubMed:32687853}.
Molecular Weight:	185.9 kDa
UniProt:	Q8K448

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