

Datasheet for ABIN7551790
ABCA5 Protein (AA 1-1642) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ABCA5
Protein Characteristics:	AA 1-1642
Origin:	Human
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:	MSTAIREVGV WRQTRTLLLK NYLIKCRTRK SSVQEILFPL FFLFWLILIS MMHPNKKYEE VPNIELNPMD KFTLSNLILG YTPVTNITSS IMQKVSTDHL PDVIITEEYK NEKEMLTSSL SKPSNFVGVV FKDSMSYELR FFPDMIPVSS IYMSDRAGCS KSCEAAQYWS SGFTVLQASI DAAIQLKTN VSLWKELEST KAVIMGETAV VEIDTFPRGV ILIYLVIAFS PFGYFLAIHI VAEKEKKIKE FLKIMGLHDT AFWLSWVLLY TSLIFLMSLL MAVIATASLL FPQSSSIVIF LLFFLYGLSS VFFALMLTPL FKKS KHVGIV EFFVTVAFGF IGLMIILIES FPKSLVWLFS PFCHCTFVIG IAQVMHLEDK NEGASFSNLT AGPYPLIITI IMLTLNSIFY VLLAVYLDQV IPGEFGLRRS SLYFLKPSYW SKSKRNYEEL SEGNVNGNIS FSEIIEPVSS ESVGKEAIRI SGIQKTYRKK GENVEALRNL SFDIYEGQIT ALLGHSGTGK STLMNILCGL CPPSDGFASI YGHRVSEIDE MFEARKMIGI CPQLDIHFDV LTVEENLSIL ASIKGIPANN IIQEVQKVLL DLDMQTIKDN QAKKLSGGQK RKLSLGI AVL GNPKILLLDE PTAGMDPCSR HIVWNLLKYR KANRVTVFST

HFMDEADILA DRKAVISQGM LKCVGSSMFL KSKWIGYRL SMYIDKYCAT ESLSSLVKQH
IPGATLLQQN DQQLVYSLPF KDMDKFSGLF SALDHSNLG VISYGVSMIT LEDVFLKLEV
EAEIDQADYS VFTQQPLEEE MDSKSFDEME QSLILSETK AALVSTMSLW KQQMYTIAKF
HFFTLKRESK SVRSVLLLLL IFFTQIFMF LVHHSFKNAV VPIKLVDPDY FLKPGDKPHK
YKTSLLLQNS ADSDISDLIS FFTSQNIMVT MINDSDYVSV APHSAALNVM HSEKDYVFAA
VFNSTMVYSL PILVNIISNY YLYHLNVTET IQIWSTPFFQ EITDIVFKIE LYFQAALLGI IVTAMPYFA
MENAENHKIK AYTQLKLSGL LPSAYWIGQA VVDIPLFFII LILMLGSLLA FHYGLYFYT
KFLAVVFCI GYVPSVILFT YIASFTFKKI LNTKEFWSFI YSVAALACIA ITEITFFMGY TIATILHYAF
CIIPIYPLL GCLISFIKIS WKNVRKNVDT YNPWDRLSVA VISPYLQCVL WIFLLQYEEK
KYGGRSIRKD PFFRNLSTKS KNRKLPEPPD NEDEDEDVKA ERLKVKELMG CQCCEEKPSI
MVSNLHKEYD DKKDFLLSRK VKKVATKYIS FCVKKGEILG LLGPNAGGKS TIINILVGD
EPTSGQVFLG DYSSETSEDD DSLKCMGYCP QINPLWPDIT LQEHFEIYGA VKGMSASDMK
EVISRITHAL DLKEHLQKTV KKLPAKIKRK LCFALSMLGN PQITLLDEPS TGMDPKAKQH
MWRAIRTA FK NRKRAAILTT HYMEEA EAVC DRVAIMVSGQ LRCIGTVQHL KSKFGKGYFL
EIKLKDWIEN LEVDRLQREI QYIFPNASRQ ESFSSILAYK IPKEDVQSLS QSFFKLEEAK
HAF AIEEYSF SQATLEQV FV ELTKEQEEED NSCGTLNSTL 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). May play a role in the processing of autolysosomes (By similarity).
{ECO:0000250|UniProtKB:Q8K448, ECO:0000269|PubMed:25125465}.

Molecular Weight: 186.5 kDa

UniProt: [Q8WWZ7](#)

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