

Datasheet for ABIN7554623  
**ABCC3 Protein (AA 1-1527) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ABCC3
Protein Characteristics:	AA 1-1527
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ABCC3 Protein expressed in mammalian cells.
Sequence:	MDALCGSGEL GSKFWDNLS VHTENPDLTP CFQNSLLAWV PCIYLWVALP CYLLYLRHHC RGYIILSHLS KLKMLVGLL WCVSWADLFY SFHGLVHGRA PAPVFFVTPL VGVTMLLAT LLIQYERLQG VQSSGVLIIF WFLCVCAIV PFRSKILLAK AEGEISDPFR FTTYIHFAL VLSALILACF REKPPFFSAK NVDPNPYPET SAGFLSRLFF WWFTKMAIYG YRHPLEEKDL WSLKEEDRSQ MVVQQLLEAW RKQEKQATARH KASAAPGKNA SGEDEVLLGA RPRPRKPSFL KALLATFGSS FLISACFKLI QDLLSFNPQ LLSILIRFIS NPMAPSWWGF LVAGLMFLCS MMQSLILQHY YHYIFVTGVK FRTGIMGVIY RKALVITNSV KRASTVGEIV NLMSVDAQRF MDLAPFLNLL WSAPLQIILA IYFLWQNLGP SVLAGVAFMV LLIPLNGAVA VKMRAFQVKQ MKLKDSRIKL MSEILNGIKV LKLYAWEPSF LKQVEGIRQG ELQLLRTAAY LHTTTTFTWM CSPFLVTLIT LWVYVYVDPN NVLDAEKAFV SVSLFNILRL PLNMLPQLIS NLTQASVSLK RIQQFLSQEE LDPQSVERKT ISPGYAITIH SGTFTWAQDL PPTLHSLDIQ VPKGALVAVV GPVGGCGKSSL VSALLGEMEK LEGKVHMKGS VAYVPQAWI QNCTLQENVL FGKALNPKRY QQTLEACALL

ADLEMLPGGD QTEIGEKGIN LSGGQRQRVS LARAVYSDAD IFLDDPLSA VDSHVAKHIF  
DHVIGPEGVL AGKTRVLVTH GISFLPQTDF IIVLADGQVS EMGPYPALLQ RNGSFANFLC  
NYAPDEDQGH LEDSWTALEG AEDKEALLIE DTLSNHTDLT DNDPVTYVVQ KQFMRQLSAL  
SSDGEGQGRP VPRRHLPSE KVQVTEAKAD GALTQEEKAA IGTVELSVFW DYAKAVGLCT  
TLAICLLYVG QSAAAIGANV WLSAWTNDAM ADSRQNNTSL RLGVYAALGI LQGFLVMLAA  
MAMAAGGIQA ARVLHQALLH NKIRSPQSFF DTPSGRILN CFSKDIYVVD EVLAPVILML  
LNSFFNAIST LVVIMASTPL FTVVILPLAV LYTLVQRFYA ATSRQLKRLE SVSRSPIYSH  
FSETVTGASV IRAYNRSRDF EIISDTKVDA NQRSCYPYII SNRWLSIGVE FVGNCVVLFA  
ALFAVIGRSS LNPGLVGLSV SYSLQVTFAL NWMIRMMSDL ESNIVAVERV KEYSKTETEA  
PWVVEGSRPP EGWPPRGEVE FRNYSVRYRP GLDLVLRDLS LHVHGGEKVG IVGRTGAGKS  
SMTLCLFRIL EAAKGEIRID GLNVADIGLH DLRSQTIIP QDPILFSGTL RMNLDPFGSY  
SEEDIWWALE LSHLHTFVSS QPAGLDFQCS EGGENLSVGQ RQLVCLARAL LRKSRILVLD  
EATAAIDLET DNLIQATIRT QFDTCTVLT I AHRLNTIMDY TRVLVLDKGV VAEFDSPANL  
IAARGIFYGM ARDAGLA **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target:	ABCC3
Alternative Name:	ABCC3 ( <a href="#">ABCC3 Products</a> )
Background:	<p>ATP-binding cassette sub-family C member 3 (EC 7.6.2.-) (EC 7.6.2.2) (EC 7.6.2.3) (Canalicular multispecific organic anion transporter 2) (Multi-specific organic anion transporter D) (MOAT-D) (Multidrug resistance-associated protein 3),FUNCTION: ATP-dependent transporter of the ATP-binding cassette (ABC) family that binds and hydrolyzes ATP to enable active transport of various substrates including many drugs, toxicants and endogenous compound across cell membranes (PubMed:11581266, PubMed:15083066, PubMed:10359813). Transports glucuronide conjugates such as bilirubin diglucuronide, estradiol-17-beta-o-glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed:15083066, PubMed:11581266). Transports also various bile salts (taurocholate, glycocholate, taurochenodeoxycholate-3-sulfate, tauroolithocholate- 3-sulfate) (By similarity). Does not contribute substantially to bile salt physiology but provides an alternative route for the export of bile acids and glucuronides from cholestatic hepatocytes (By similarity). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Can confer resistance to various anticancer drugs, methotrexate, tenoposide and etoposide, by decreasing accumulation of these drugs in cells (PubMed:11581266, PubMed:10359813).</p> <p>{ECO:0000250 UniProtKB:O88563, ECO:0000269 PubMed:10359813, ECO:0000269 PubMed:11581266, ECO:0000269 PubMed:15083066, ECO:0000305 PubMed:35307651}.</p>
Molecular Weight:	169.3 kDa
UniProt:	<a href="#">O15438</a>

## Application Details

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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

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Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.

## Handling

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months