

Datasheet for ABIN7554631  
**ABCC4 Protein (AA 1-1325) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ABCC4
Protein Characteristics:	AA 1-1325
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ABCC4 Protein expressed in mammalian cells.
Sequence:	MLPVYQEVKP NPLQDANLCS RVFFWWLNPL FKIGHKRRLE EDDMYSVLPE DRSQHLGEEL QGFWDKEVLR AENDAQKPSL TRAIKCYWK SYLVLGIFTL IEESAKVIQP IFLGKIINYF ENYDPMDSVA LNTAYAYATV LTFCTLILAI LHHLYFYHVQ CAGMRLRVAM CHMIYRKALR LSNMAMGKTT TGQIVNLLSN DVNKFQVTV FLHFLWAGPL QAIAVTALLW MEIGISCLAG MAVLIILLPL QSCFGKLFSS LRSKTATFTD ARIRTMNEVI TGIRIIMYA WEKSFSNLIT NLRKKEISKI LRSSCLRGMN LASFFSASKI IVFVTFTTYV LLGSVITASR VFVAVTLYGA VRLTVTLFFP SAIERVSEAI VSIRRIQTFL LLDEISQRNR QLPSDGKKMV HVQDFTAFWD KASETPTLQG LSFTVRPGEL LAVVGPVGAG KSSLLSAVLG ELAPSHGLVS VHGRYAVSQ QPWVFSGLR SNILFGKKYE KERYEKVIKA CALKKDLQLL EDGDLTVIGD RGTTLGGQK ARVNLARAVY QDADIYLLDD PLSAVDAEVS RHLFELCICQ ILHEKITILV THQLQYLKAA SQILILKDGK MVQKGTYTEF LKSGIDFGSL LKKDNEESEQ PPVPGTPTLR NRTFSESSVW SQQSSRPSLK DGALESQDTE NVPVTLSEEN RSEGKVGFGA YKNYFRAGAH WIVFIFLILL NTAAQVAYVL

QDWWSYWAN KQSMLNVTVN GGGNVTEKLD LNWYLGIIYSG LTVATVLFGI ARSLLVIFYL  
VNSSQTLHNK MFESILKAPV LFFDRNPIGR ILNRFSDKIG HLDDLLPLTF LDFIQTLQV  
VGWVSVAVAV IPWIAIPLVP LGIIFILRR YFLETSRDVK RLESTTRSPV FSHLSSSLQG  
LWTIRAYKAE ERCQELFDAH QDLHSEAWFL FLTTSRWFAV RLDAICAMFV IIVAFGSLIL  
AKTLDAGQVG LALSIALTLM GMFQWCVRQS AEVENMMISV ERVIEYTDLE KEAPWEYQKR  
PPPAWPHEGV IIFDNVNFMY SPGGPLVLKH LTALIKSQEK VGIVGRTGAG KSSLISALFR  
LSEPEGKIWI DKILTTEIGL HDLRKKMSII PQEPVLTGT MRKNLDPFNE HTDEELWNAL  
QEVQLKETIE DLPGKMDTEL AESGSNFSVG QRQLVCLARA ILRKNQILII DEATANVDPR  
TDELIQKKIR EKFAHCTVLT IAHLRNTIID SDKIMVLDSG RLKEYDEPYV LLQNKESLFY  
KMQQLGKAE AAALTETAKQ VYFKRNYPHI GHTDHMVTNT SNGQPSTLTI FETAL **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: ABCC4

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Alternative Name: ABCC4 ([ABCC4 Products](#))

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Background: ATP-binding cassette sub-family C member 4 (EC 7.6.2.-) (EC 7.6.2.2) (EC 7.6.2.3) (MRP/cMOAT-related ABC transporter) (Multi-specific organic anion transporter B) (MOAT-B) (Multidrug resistance-associated protein 4),FUNCTION: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Transports a range of endogenous molecules that have a key role in cellular communication and signaling, including cyclic nucleotides such as cyclic AMP (cAMP) and cyclic GMP (cGMP), bile acids, steroid conjugates, urate, and prostaglandins (PubMed:11856762, PubMed:12883481, PubMed:12523936, PubMed:12835412, PubMed:15364914, PubMed:15454390, PubMed:16282361, PubMed:17959747, PubMed:18300232, PubMed:26721430). Mediates the ATP-dependent efflux of glutathione conjugates such as leukotriene C4 (LTC4) and leukotriene B4 (LTB4) too. The presence of GSH is necessary for the ATP-dependent transport of LTB4, whereas GSH is not required for the transport of LTC4 (PubMed:17959747). Mediates the cotransport of bile acids with reduced glutathione (GSH) (PubMed:12883481, PubMed:12523936, PubMed:16282361). Transports a wide range of drugs and their metabolites, including anticancer, antiviral and antibiotics molecules (PubMed:11856762, PubMed:12105214, PubMed:15454390, PubMed:18300232, PubMed:17344354). Confers resistance to anticancer agents such as methotrexate (PubMed:11106685). {ECO:0000269|PubMed:11106685, ECO:0000269|PubMed:11856762, ECO:0000269|PubMed:12105214, ECO:0000269|PubMed:12523936, ECO:0000269|PubMed:12835412, ECO:0000269|PubMed:12883481, ECO:0000269|PubMed:15364914, ECO:0000269|PubMed:15454390, ECO:0000269|PubMed:16282361, ECO:0000269|PubMed:17344354, ECO:0000269|PubMed:17959747, ECO:0000269|PubMed:18300232, ECO:0000269|PubMed:26721430}.

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Molecular Weight: 149.5 kDa

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UniProt: [O15439](#)

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## 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.

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Restrictions: For Research Use only

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## 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.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months