

Datasheet for ABIN7554594  
**ABCC6 Protein (AA 1-1503) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ABCC6
Protein Characteristics:	AA 1-1503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ABCC6 Protein expressed in mammalian cells.
Sequence:	<p>MAAPAEPKAG QGVWNQTEPE PAATSLLSLC FLRTAGVWVP PMYLWVLGPI YLLFIHHHGR  GYLRMSPLFK AKMVLGFALI VLCTSSVAVA LWKIQQGTPE APEFLIHPTV WLTTMSFAVF  LIHTERKKGV QSSGVLFYVW LLCFVLPATN AAQQASGAGF QSDPVRHLST YLCLSLVVAQ  FVLSCLADQP PFFPEDPQQS NPCPETGAFF PSKATFWWVS GLVWRGYRRP LRPKDLWVSLG  RENSSEELVS RLEKEWMRNR SAARRHNKAI AFKRKGGSGM KAPETEPFLR QEGSQWRPLL  KAIWQVFHST FLLGTLSLII SDVFRFTVPAK LLSLFLEFIG DPKPPAWKGY LLAVLMFLSA  CLQTLFEQQN MYRLKVLQMR LRSITGLVY RLVLALSSGS RKASAVGDVV NLVSVQVQRL  TESVLYLNGL WLPLVWIVVC FVYLWQLLGP SALTAVAVFL SLLPLNFFIS KKRNNHHQEEQ  MRQKDSRRL TSSILRNSKT IKFHGWEGAF LDRVLGIRGQ ELGALRTSGL LFSVSLVSFQ  VSTFLVALVV FAVHTLVAEN AMNAEKAFVT LTVLNILNKA QAFLPFSIHS LVQARVSFDR  LVTFLCLEEV DPGVVDSSSS GSAAGKDCIT IHSATFAWSQ ESPPCLHRIN LTVPQGCLLA  VVGVPVAGKS SLLSALLGEL SKVEGFVSIE GAVAYVPQEA WVQNTSVVEN VCFGQELDPP</p>

WLERVLEACA LQPDVDSFPE GIHTSIGEQG MNLSGGQKQR LSLARAVYRK AAVYLLDDPL  
AALDAHVGQH VFNQVIGPGG LLQGTTRILV THALHILPQA DWIIVLANGA IAEMGSYQEL  
LQRKGALMCL LDQARQPGDR GEGETEPGTS TKDPRGTSAG RRPELRRERS IKSVPKDRDRT  
TSEAQTEVPL DDPDRAGWPA GKDSIQYGRV KATVHLAYLR AVGTPLCLYA LFLFLCQQVA  
SFCRGYWLSL WADDPVGGGQ QTQAALRGGI FLLGCLQAI GLFASMAAVL LGGARASRL  
FQRLLDVVR SPISFFERTP IGHLLNRFK ETDTVDVDIP DKLRSLMYA FGLLEVSLLV  
AVATPLATVA ILPLFLYAG FQSLYVSSC QLRRLESASY SSVCSHMAET FQGSTVRAF  
RTQAPFVAQN NARVDESQRI SFPRLVADRW LAANVELLGN GLVFAAATCA VLSKAHLSAG  
LVGFSVSAAL QVTQTLQWVV RNWTDLENSI VSVERMQDYA WTPKEAPWRL PTCAAQPPWP  
QGGQIEFRDF GLRYRPELPL AVQGVSKIH AGEKVGIVGR TGAGKSSLAS GLLRLQEAAE  
GGIWIDGVPI AHVGLHTLRS RISIIPQDPI LFPGLRMNL DLLQEHSDEA IWAALTVQL  
KALVASLPGQ LQYKCADRGE DLSVGQKQLL CLARALLRKT QILILDEATA AVDPGTELQM  
QAMLSWFAQ CTVLLIAHRL RSVMDCARVL VMDKGQVAES GSPAQLLAQK GLFYRLAQES GLV

**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:	ABCC6
Alternative Name:	ABCC6 ( <a href="#">ABCC6 Products</a> )
Background:	<p>ATP-binding cassette sub-family C member 6 (EC 7.6.2.-) (EC 7.6.2.3) (Anthracycline resistance-associated protein) (Multi-specific organic anion transporter E) (MOAT-E) (Multidrug resistance-associated protein 6),FUNCTION: [Isoform 1]: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Mediates ATP-dependent transport of glutathione conjugates such as leukotriene-c4 (LTC4) and N-ethylmaleimide S-glutathione (NEM-GS) (in vitro), and an anionic cyclopentapeptide endothelin antagonist, BQ-123 (PubMed:11880368, PubMed:12414644). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Does not appear to actively transport drugs outside the cell. Confers low levels of cellular resistance to etoposide, teniposide, anthracyclines and cisplatin (PubMed:12414644). {ECO:0000269 PubMed:11880368, ECO:0000269 PubMed:12414644, ECO:0000305 PubMed:35307651}., FUNCTION: [Isoform 1]: Mediates the release of nucleoside triphosphates, predominantly ATP, into the circulation, where it is rapidly converted into AMP and the mineralization inhibitor inorganic pyrophosphate (PPi) by the ecto-enzyme ectonucleotide pyrophosphatase phosphodiesterase 1 (ENPP1), therefore playing a role in PPi homeostasis. {ECO:0000269 PubMed:24277820, ECO:0000269 PubMed:24969777}., FUNCTION: [Isoform 2]: Inhibits TNF-alpha-mediated apoptosis through blocking one or more caspases. {ECO:0000269 PubMed:23912081}.</p>
Molecular Weight:	164.9 kDa
UniProt:	<a href="#">O95255</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