

Datasheet for ABIN7554625
ABCC10 Protein (AA 1-1492) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCC10
Protein Characteristics:	AA 1-1492
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ABCC10 Protein expressed in mammalien cells.
Sequence:	MERLLAQLCG SSAAWPLPLW EGDTTGHCFT QLVLSALPHA LLAVLSACYL GTPRSPDYIL PCSPGWRLRL AASFLLSVFP LLDLLPVALP PGAGPGPIGL EVLAGCVA AV AWISHSLALW VLAHSPHGHS RGPLALALVA LLPAPALVLT VLWHCQRGTL LPPLLPGPMA RLCLLILQLA ALLAYALGWA APGGPREPWA QEPLLPEDQE PEVAEDGESW LSRFSYAWLA PLLARGACGE LRQPQDICRL PHRLQPTYLA RVFQAHWQEG ARLWRALYGA FGRCYLALGL LKLVGTMLGF SGPLLLSLLV GFLEEQEPL SHGLLYALGL AGGAVLGAVL QNQYGYEVYK VTLQARGAVL NILYCKALQL GPSRPPTGEA LNLLGTDSE R LLNFAGSFHE AWGLPLQLAI TLYLLYQQVG VAFVGGILIA LLLVPVNKVI ATRIMASNQE MLQHKDARVK LVTELLSGIR VIKFCGW EQA LGARVEACRA RELGRLRVIK YLDAACVYLW AALPVVISIV IFITYVLMGH QLTATKVFTA LALVRMLILP LNNFPWVING LLEAKVSLDR IQLFLDLPNH NPQAYYSPDP PAEPSTVLEL HGALFSWDPV GTSLET FISH LEVKKGMLVG IVGKVGCGKS SLLAAIAGEL HRLRGHVAVR

GLSKGFGLAT QEPWQFATI RDNILFGKTF DAQLYKEVLE ACALNDDLSI LPAGDQTEVG
EKGVTLSGGQ RARIALARAV YQEKELYLLD DPLAAVDADV ANHLLHRCIL GMLSYTTRLL
CTHRTEYLER ADAVLLMEAG RLIRAGPPSE ILPLVQAVPK AWAENGQESD SATAQSVQNP
EKTKEGLEEE QSTSGRLLQE ESKKEGAVAL HVYQAYWKAV GQGLALAILF SLLLMQATRN
AADWWLSHWI SQLKAENSSQ EAQPSTSPAS MGLFSPQLLL FSPGNLYIPV FPLPKAAPNG
SSDIRFYLTV YATIAGVNSL CTLRRAVLFA AGTLQAAATL HRLLHRVLM APVTFFNATP
TGRILNRFSS DVACADDSLP FILNILLANA AGLLGLLAVL GSGLPWLLLL LPPLSIMYYH
VQRHYRASSR ELRRLGSLTL SPLYSHLADT LAGLSVLRAT GATYRFEEEN LRLELNQRC
QFATSATMQW LDIRLQMGGA AVVSAIAGIA LVQHQQGLAN PGLVGLSLSY ALSLTGLLSG
LVSSFTQTEA MLVSVERLEE YTCDLQPQPQ GQPLQLGTGW LTQGGVEFQD VVLAYRPGLP
NALDGVTFVCV QPGEKLGIVG RTGSGKSSLL LVLFRLLLEPS SGRVLLDGVD TSQLELAQLR
SQLAIPQEP FLFSGTVREN LDPQGLHKDR ALWQALKQCH LSEVITSMGG LDGELGEGGR
SLSLGQRQLL CLARALLTDA KILCIDEATA SVDQKTDQLL QQTICKRFAN KTVLTIAHRL
NTILNSDRVL VLQAGRVEL DSPATLRNQP HSLFQQLLQS SQQGVPASLG GP **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

Grade:

custom-made

Target Details

Target:	ABCC10
Alternative Name:	ABCC10 (ABCC10 Products)
Background:	<p>ATP-binding cassette sub-family C member 10 (EC 7.6.2.2) (EC 7.6.2.3) (Multidrug resistance-associated protein 7),FUNCTION: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Lipophilic anion transporter that mediates ATP-dependent transport of glucuronide conjugates such as estradiol-17-beta-o-glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed:12527806, PubMed:15256465). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Mediates multidrug resistance (MDR) in cancer cells by preventing the intracellular accumulation of certain antitumor drugs, such as, docetaxel and paclitaxel (PubMed:15256465, PubMed:23087055). Does not transport glycocholic acid, taurocholic acid, MTX, folic acid, cAMP, or cGMP (PubMed:12527806). {ECO:0000269 PubMed:12527806, ECO:0000269 PubMed:15256465, ECO:0000269 PubMed:23087055, ECO:0000305 PubMed:35307651}.</p>
Molecular Weight:	161.6 kDa
UniProt:	Q5T3U5

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