Datasheet for ABIN7554630

ABCC2 Protein (AA 1-1545) (His tag)

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Overview

Quantity:	1 mg
Target:	ABCC2
Protein Characteristics:	AA 1-1545
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ABCC2 Protein expressed in mammalian cells.
Sequence:	MLEKFCNSTF WNSSFLDSPE ADLPLCFEQT VLVWIPLGYL WLLAPWQLLH VYKSRTKRSS TTKLYLAKQV FVGFLLILAA IELALVLTED SGQATVPAVR YTNPSLYLGT WLLVLLIQYS RQWCVQKNSW FLSLFWILSI LCGTFQFQTL IRTLLQGDNS NLAYSCLFFI SYGFQILILI FSAFSENNES SNNPSSIASF LSSITYSWYD SIILKGYKRP LTLEDVWEVD EEMKTKTLVS KFETHMKREL QKARRALQRR QEKSSQQNSG ARLPGLNKNQ SQSQDALVLE DVEKKKKKSG TKKDVPKSWL MKALFKTFYM VLLKSFLLKL VNDIFTFVSP QLLKLLISFA SDRDTYLWIG YLCAILLFTA ALIQSFCLQC YFQLCFKLGV KVRTAIMASV YKKALTLSNL ARKEYTVGET VNLMSVDAQK LMDVTNFMHM LWSSVLQIVL SIFFLWRELG PSVLAGVGVM VLVIPINAIL STKSKTIQVK NMKNKDKRLK IMNEILSGIK ILKYFAWEPS FRDQVQNLRK KELKNLLAFS QLQCVVIFVF QLTPVLVSVV TFSVYVLVDS NNILDAQKAF TSITLFNILR FPLSMLPMMI SSMLQASVST ERLEKYLGGD DLDTSAIRHD CNFDKAMQFS EASFTWEHDS EATVRDVNLD IMAGQLVAVI GPVGSGKSSL ISAMLGEMEN VHGHITIKGT TAYVPQQSWI QNGTIKDNIL

	FGTEFNEKRY QQVLEACALL PDLEMLPGGD LAEIGEKGIN LSGGQKQRIS LARATYQNLD IYLLDDPLSA VDAHVGKHIF NKVLGPNGLL KGKTRLLVTH SMHFLPQVDE IVVLGNGTIV EKGSYSALLA KKGEFAKNLK TFLRHTGPEE EATVHDGSEE EDDDYGLISS VEEIPEDAAS ITMRRENSFR RTLSRSSRSN GRHLKSLRNS LKTRNVNSLK EDEELVKGQK LIKKEFIETG KVKFSIYLEY LQAIGLFSIF FIILAFVMNS VAFIGSNLWL SAWTSDSKIF NSTDYPASQR DMRVGVYGAL GLAQGIFVFI AHFWSAFGFV HASNILHKQL LNNILRAPMR FFDTTPTGRI VNRFAGDIST VDDTLPQSLR SWITCFLGII STLVMICMAT PVFTIIVIPL GIIYVSVQMF YVSTSRQLRR LDSVTRSPIY SHFSETVSGL PVIRAFEHQQ RFLKHNEVRI DTNQKCVFSW ITSNRWLAIR LELVGNLTVF FSALMMVIYR DTLSGDTVGF VLSNALNITQ TLNWLVRMTS EIETNIVAVE RITEYTKVEN EAPWVTDKRP PPDWPSKGKI QFNNYQVRYR PELDLVLRGI TCDIGSMEKI GVVGRTGAGK SSLTNCLFRI LEAAGGQIII DGVDIASIGL HDLREKLTII PQDPILFSGS LRMNLDPFNN YSDEEIWKAL ELAHLKSFVA SLQLGLSHEV TEAGGNLSIG QRQLLCLGRA LLRKSKILVL DEATAAVDLE TDNLIQTTIQ NEFAHCTVIT IAHRLHTIMD SDKVMVLDNG KIIECGSPEE LLQIPGPFYF MAKEAGIENV NSTKF **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.**
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.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade:	custom-made

Target Details

Target:	ABCC2
Alternative Name:	ABCC2 (ABCC2 Products)
Background:	ATP-binding cassette sub-family C member 2 (EC 7.6.2.-) (EC 7.6.2.2) (EC 7.6.2.3) (Canalicular multidrug resistance protein) (Canalicular multispecific organic anion transporter 1) (Multidrug resistance-associated protein 2),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. Transports a wide variety of conjugated organic anions such as sulfate-, glucuronide- and glutathione (GSH)-conjugates of endo- and xenobiotics substrates (PubMed:10220572, PubMed:10421658, PubMed:11500505, PubMed:16332456). Mediates hepatobiliary excretion of mono- and bis-glucuronidated bilirubin molecules and therefore play an important role in bilirubin detoxification (PubMed:10421658). Mediates also hepatobiliary excretion of others glucuronide conjugates such as 17beta-estradiol 17-glucosiduronic acid and leukotriene C4 (PubMed:11500505). Transports sulfated bile salt such as taurolithocholate sulfate (PubMed:16332456). Transports various anticancer drugs, such as anthracycline, vinca alkaloid and methotrexate and HIV-drugs such as protease inhibitors (PubMed:10220572, PubMed:11500505, PubMed:12441801). Confers resistance to several anti-cancer drugs including cisplatin, doxorubicin, epirubicin, methotrexate, etoposide and vincristine (PubMed:10220572, PubMed:11500505). {ECO:0000269|PubMed:10220572, ECO:0000269|PubMed:10421658, ECO:0000269|PubMed:11500505, ECO:0000269|PubMed:12441801, ECO:0000269|PubMed:16332456}.
Molecular Weight:	174.2 kDa
UniProt:	Q92887
Pathways:	Hormone Transport

Application Details

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

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