

Datasheet for ABIN7551796

ABCC11 Protein (AA 1-1382) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCC11
Protein Characteristics:	AA 1-1382
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ABCC11 Protein expressed in mammalian cells.
Sequence:	<p>MTRKRTYWVP NSSGGLVNRG IDIGDDMVSG LIYKTYTLQD GPWSQQERNP EAPGRAAVPP</p> <p>WGKYDAALRT MIPFRPKPRF PAPQLDNAG LFSYLTVSWL TPLMIQSLRS RLDENTIPPL</p> <p>SVHDASDKNV QRLHRLWEEE VSRRGIEKAS VLLVMLRFQR TRLIFDALLG ICFCIASVLG</p> <p>PILIIPKILE YSEEQLGNVV HGVGLCFALF LSECVKSLSF SSSWIINQRT AIRFRAAVSS FAFEKLIQFK</p> <p>SVIHITSGEA ISFFTGDVNY LFEGVCYGPL VLITCASLVI CSISSYFIIG YTAFIAILCY LLVFPLAVFM</p> <p>TRMAVKAQHH TSEVSDQRIR VTSEVLTCIK LIKMYTWEKP FAKIIEDLRR KERKLEKCG</p> <p>LVQSLTSITL FIPTVATAV WVLHTSLKL KLTASMAFSM LASLNLLRLS VFFVPIAVKG</p> <p>LTNSKSAVMR FKKFFLQESP VFYVQTLQDP SKALVFEEAT LSWQQTCPGI VNGALELERN</p> <p>GHASEGMRTP RDALGPEEEG NSLGPELHKI NLVSKGMMML GVCGNTGSGK SSLLSAILEE</p> <p>MHLLEGSGGV QGSLAYVPQQ AWIVSGNIRE NILMGGAYDK ARYLQVLHCC SLNRDLELLP</p> <p>FGDMTEIGER GLNLGGQKQ RISLARAVYS DRQIYLLDDP LSAVDAHVGK HIFEECIKKT</p> <p>LRGKTVVLVT HQLQYLEFCG QIILLENGKI CENGTHSELM QKKGKYAQLI QKMHKEATSD</p>

MLQDTAKIAE KPKVESQALA TSLEESLNGN AVPEHQLTQE EEMEEGSLSW RVYHHYIQAA
GGYMVSCIIF FFVVLIVFLT IFSFWWLSYW LEQSGGTNSS RESNGTMADL GNIADNPQLS
FYQLVYGLNA LLLICVGVCS SGIFTKVTRK ASTALHNKLF NKVFRCPMSF FDTIPIGRLL
NCFAGDLEQL DQLLPFSEQ FLVLSLMVIA VLLIVSVLSP YILLMGAIIM VICFIYYMMF
KKAIGVFKRL ENYSRSPLFS HILNSLQGLS SIHVYGKTED FISQFKRLTD AQNNYLLFL
SSTRWMALRL EIMTNLVTLA VALFVAFGIS STPYSEFKVMA VNIVLQLASS FQATARIGLE
TEAQFTAVER ILQYMKMCVS EAPLHMEGTS CPQGWPQHGE IIFQDYHMKY RDNTPTVLHG
INLTIRGHEV VGIVGRTGSG KSSLGMALFR LVEPMAGRIL IDGVDICSIG LEDLRSKLSV
IPQDPVLLSG TIRFNLDPFDRHTDQQIWDA LERTFLTKEI SKFPPKLTHTD WVENGGNFSV
GERQLLCIAR AVLRNSKIIL IDEATASIDM ETDTLIQRTI REAFQGCTVL VIAHRVTTVL
NCDHILVMGN GKVVEFDRPE VLRKKPGSLF AALMATATSS LR

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ABCC11
Alternative Name:	ABCC11 (ABCC11 Products)
Background:	<p>ATP-binding cassette sub-family C member 11 (EC 7.6.2.2) (EC 7.6.2.3) (Multidrug resistance-associated protein 8),FUNCTION: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Plays a role in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides, including cAMP and cGMP (PubMed:12764137, PubMed:15537867). Mediates the ATP-dependent efflux of a range of physiological lipophilic anions, including the glutathione S-conjugates leukotriene C4 and dinitrophenyl S-glutathione, steroid sulfates, such as dehydroepiandrosterone 3-sulfate (DHEAS) and estrone 3-sulfate, glucuronides such as estradiol 17-beta-D-glucuronide (E(2)17betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate (PubMed:15537867, PubMed:16359813, PubMed:25896536). Plays a role in the transport of earwax components (PubMed:16444273, PubMed:19383836). Participates in the secretion of odorants and their precursors from the apocrine sweat glands, including the secretion of glutamine conjugates, as well as the Cys-Gly-(S) conjugates of 3-methyl-3-sulfanyl-hexanol (PubMed:19710689). Involved in the cellular extrusion of nucleotide analogs, hence conferring resistance to various drugs, including clinically relevant drugs such as 5-fluorouracil (5-FU) and methotrexate (PubMed:12764137, PubMed:15537867, PubMed:25896536). {ECO:0000269 PubMed:12764137, ECO:0000269 PubMed:15537867, ECO:0000269 PubMed:16359813, ECO:0000269 PubMed:16444273, ECO:0000269 PubMed:19383836, ECO:0000269 PubMed:19710689, ECO:0000269 PubMed:25896536}.</p>
Molecular Weight:	154.3 kDa
UniProt:	Q96J66

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

Handling Advice:	Avoid repeated freeze-thaw cycles.
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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
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