

Datasheet for ABIN3117355

ABCC11 Protein (AA 1-1382) (rho-1D4 tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	ABCC11
Protein Characteristics:	AA 1-1382
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC11 protein is labelled with rho-1D4 tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	<p>MTRKRTYWVP NSSGGLVNRG IDIGDDMVSG LIYKTYTLQD GPWSQQERNP EAPGRAAVPP</p> <p>WGKYDAALRT MIPFRPKPRF PAPQPLDNAG LFSYLTVSWL TPLMIQSLRS RLDENTIPPL</p> <p>SVHDASDKNV QRLHRLWEEE VSRRGIEKAS VLLVMLRFQR TRLIFDALLG ICFCIASVLG</p> <p>PILIIPKILE YSEEQLGNV V HGVGLCFALF LSECVKSLSF SSSWIINQRT AIRFRAAVSS FAFEKLIQFK</p> <p>SVIHITSGEA ISFFTGDVNY LFEGVCYGPL VLITCASLVI CSISSYFIIG YTAFAIALCY LLVFPLAVFM</p> <p>TRMAVKAQHH TSEVSDQIR VTSEVLTCIK LIKMYTWEKP FAKIIEDLRR KERKLEKCG</p> <p>LVQSLTSITL FIIPTVATAV WLIHTSLKL KLTASMAFSM LASLNLLRLS VFFVPIAVKG</p> <p>LTNSKSAVMR FKKFFLQESP VFYVQTLQDP SKALVFEEAT LSWQQTCPGI VNGALELERN</p> <p>GHASEGMTRP RDALGPEEEG NSLGPELHKI NLVSKGMMML GVCGNTGSGK SSLLSAILEE</p> <p>MHLLEGSGVQ QGSLAYVPQQ AWIVSGNIRE NILMGGAYDK ARYLQVLHCC SLNRDLELLP</p> <p>FGDMTEIGER GLNLSSGQKQ RISLARAVYS DRQIYLLDDP LSAVDAHVGK HIFEECIKKT</p> <p>LRGKTVVLVT HQLQYLEFCG QIILLENGKI CENGTHSELM QKKGKYAQLI QKMHKEATSD</p>
-----------	---

MLQDTAKIAE KPKVESQALA TSLEESLNGN AVPEHQLTQE EEMEEGSLSW RVYHHYIQAA
GGYMVSCIIF FFVVLIVFLT IFSFWWLSYW LEQGSGTNSS RESNGTMADL GNIADNPQLS
FYQLVYGLNA LLLICVGVCS SGIFTKVTRK ASTALHNKLF NKVFRCPMSF FDTIPIGRLL
NCFAGDLEQL DQLLPFSEQ FLVLSLMVIA VLLIVSVLSP YILLMGAIM VICFIYYMMF
KKAIGVFKRL ENYSRSPFHS HILNSLQGLS SIHVYGKTED FISQFKRLTD AQNNYLLFL
SSTRWMALRL EIMTNLVTLA VALFVAFGIS STPYSFKVMA VNIVLQLASS FQATARIGLE
TEAQFTAVER ILQYMKMCVS EAPLHMEGTS CPQGWPQHGE IIFQDYHMKY RDNTPTVLHG
INLTIRGHEV VGIVGRTGSG KSSLGMALFR LVEPMAGRIL IDGVDICSIG LEDLSKLSV
IPQDPVLLSG TIRFNLDPFDRHTDQQIWDA LERTFLTAKI SKFKPKLHTD WVENGGNFSV
GERQLLCIAR AVLRNSKIIL IDEATASIDM ETDTLIQRIT REAFQGCTVL VIAHRVTTVL
NCDHILVMGN GKVVEFDRPE VLRKKPGSLF AALMATATSS LR

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human ABCC11 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protParam tool to determine the absorption coefficient of each protein.

Purification:

Three step purification of membrane proteins expressed in baculovirus infected SF9 insect

Product Details

cells:

1. Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.
2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate fractions are analyzed by Western blot.
3. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatograph. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity: >95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility: 0.22 µm filtered

Endotoxin Level: Protein is endotoxin-free.

Grade: Crystallography grade

Target Details

Target: ABCC11

Alternative Name: ABCC11 ([ABCC11 Products](#))

Background: Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides. Enhances the cellular extrusion of cAMP and cGMP. Stimulates the ATP-dependent uptake of a range of physiological and synthetic 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. Probably functions to secrete earwax.
{ECO:0000269|PubMed:12764137, ECO:0000269|PubMed:15537867, ECO:0000269|PubMed:16444273}.

Molecular Weight: 155.5 kDa Including tag.

UniProt: [Q96J66](#)

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.

Application Details

Comment: In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process