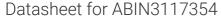
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ABCC12 Protein (AA 1-1359) (rho-1D4 tag)





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Overview

Quantity:	1 mg
Target:	ABCC12
Protein Characteristics:	AA 1-1359
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC12 protein is labelled with rho-1D4 tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys), ELISA

Product Details

Sequence:

MVGEGPYLIS DLDQRGRRRS FAERYDPSLK TMIPVRPCAR LAPNPVDDAG LLSFATFSWL
TPVMVKGYRQ RLTVDTLPPL STYDSSDTNA KRFRVLWDEE VARVGPEKAS LSHVVWKFQR
TRVLMDIVAN ILCIIMAAIG PVILIHQILQ QTERTSGKVW VGIGLCIALF ATEFTKVFFW
ALAWAINYRT AIRLKVALST LVFENLVSFK TLTHISVGEV LNILSSDSYS LFEAALFCPL
PATIPILMVF CAAYAFFILG PTALIGISVY VIFIPVQMFM AKLNSAFRRS AILVTDKRVQ
TMNEFLTCIR LIKMYAWEKS FTNTIQDIRR RERKLLEKAG FVQSGNSALA PIVSTIAIVL
TLSCHILLRR KLTAPVAFSV IAMFNVMKFS IAILPFSIKA MAEANVSLRR MKKILIDKSP
PSYITQPEDP DTVLLLANAT LTWEHEASRK STPKKLQNQK RHLCKKQRSE AYSERSPPAK
GATGPEEQSD SLKSVLHSIS FVVRKGKILG ICGNVGSGKS SLLAALLGQM QLQKGVVAVN
GTLAYVSQQA WIFHGNVREN ILFGEKYDHQ RYQHTVRVCG LQKDLSNLPY GDLTEIGERG
LNLSGGQRQR ISLARAVYSD RQLYLLDDPL SAVDAHVGKH VFEECIKKTL RGKTVVLVTH
QLQFLESCDE VILLEDGEIC EKGTHKELME ERGRYAKLIH NLRGLQFKDP EHLYNAAMVE

AFKESPAERE EDAGIIVLAP GNEKDEGKES ETGSEFVDTK VPEHQLIQTE SPQEGTVTWK
TYHTYIKASG GYLLSLFTVF LFLLMIGSAA FSNWWLGLWL DKGSRMTCGP QGNRTMCEVG
AVLADIGQHV YQWVYTASMV FMLVFGVTKG FVFTKTTLMA SSSLHDTVFD KILKSPMSFF
DTTPTGRLMN RFSKDMDELD VRLPFHAENF LQQFFMVVFI LVILAAVFPA VLLVVASLAV
GFFILLRIFH RGVQELKKVE NVSRSPWFTH ITSSMQGLGI IHAYGKKESC ITYHLLYFNC
ALRWFALRMD VLMNILTFTV ALLVTLSFSS ISTSSKGLSL SYIIQLSGLL QVCVRTGTET
QAKFTSVELL REYISTCVPE CTHPLKVGTC PKDWPSRGEI TFRDYQMRYR DNTPLVLDSL
NLNIQSGQTV GIVGRTGSGK SSLGMALFRL VEPASGTIFI DEVDICILSL EDLRTKLTVI
PQDPVLFVGT VRYNLDPFES HTDEMLWQVL ERTFMRDTIM KLPEKLQAEV TENGENFSVG
ERQLLCVARA LLRNSKIILL DEATASMDSK TDTLVQNTIK DAFKGCTVLT IAHRLNTVLN
CDHVLVMENG KVIEFDKPEV LAEKPDSAFA MLLAAEVRL

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 ABCC12 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 receival 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

Restrictions:

Product Details	
	 Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot. 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. 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:	ABCC12
Alternative Name:	ABCC12 (ABCC12 Products)
Background:	Probable transporter. {ECO:0000250}.
Molecular Weight:	153.5 kDa Including tag.
UniProt:	Q96J65
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 gurantee though.
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

receive your protein of interest.

For Research Use only

increase solubility. We will discuss all possible options with you in detail to assure that you

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

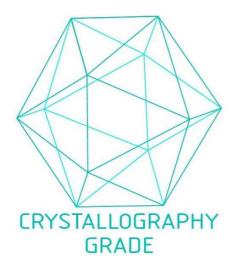


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process