



Datasheet for ABIN3131029

ABCC3 Protein (AA 1-1523) (rho-1D4 tag)



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1 Image

Overview

| | |
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| Quantity: | 1 mg |
| Target: | ABCC3 |
| Protein Characteristics: | AA 1-1523 |
| Origin: | Mouse |
| Source: | Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ABCC3 protein is labelled with rho-1D4 tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys), ELISA |

Product Details

Sequence: MDRLCGSGEL GSKFWDNLS IYNTNPD LTP CFQNSLLAWV PCIYLWAALP CYLFYLRHHQ
 LGYIVLSWLS RLKTALGVLL WCVSWVDLFY SFHGLIHGSS PAPVFFVTPL VVGITMLLAT
 LLIQYERLRG VQSSGVLIIF WLLCVICAI PFRSKLSAL AEGKILDPFR FTTFYIYFAL VFCALILSCF
 KEKPPLFSPE NLDTNPCPEA SAGFFSRLSF WWFTRLAILG YRRPLEDRDL WSLSEEDCSH
 KVVQRLLEAW QKQQNQASGS QTATAEKP KIP GEDAVLLKPR PKSKQPSFLR ALVRTFTSSL
 LMSACFNLIQ NLLGFVNPQL LSILIRFISD PTAPTWWGFL LAGLMFLSST MQTLILHQYY
 HCIFVMALRL RTAIGVIYR KALVITNSVK RESTVGEMVN LMSVDAQRFM DVSPFINLLW
 SAPLQVILAI YFLWQILGPS ALAGVAVIVL LIPLNGAVSM KMKTYQVKQM KFKDSRIKLM
 SEILNGIKVL KLYAWEPSFL EQVKGIRQSE LQLLRKGAYL QAISTFIWIC TPFLVTLITL
 GVVYVYDESN VLDAEKAFVS LSLFNILKIP LNMLPQLISG LTQASVSLKR IQDFLNQNEL
 DPQCVERKTI SPGYAITIHN GTFTWAQDLP PTLHSLNIQI PKGALVAVVG PVGCGKSSLV
 SALLGEMEKL EGVVSVKGSV AYVPQQAQIW NCTLQENVLF GQPMNPKRYQ QALETCALLA

DLDLVPGGDQ TEIGEKGINL SGGQRQVSL ARAVYSDANI FLLDDPLSAV DSHVAKHIFD
QVIGPEGVLA GKTRVLVTHG ISFLPQTDFI IVLAGGQVSE MGHYSALLQH DGSFANFLRN
YAPDEDQEDH EAALQNANEE VLLLEDLST HTDLTDNEPA IYEVKQFMR EMSSLSSEGE
VQNRTMPKKH TNSLEKEALV TTKKETGALI KEEIAETGNV KLSVYWDYAK SMGLCTTSLI
CLLYGGQSAA AIGANVWLSA WSNDAEEHGQ QNKTSVRLGV YAALGILQGL LVMLSAFTMV
VGAIQAARLL HEALLHNKIR SPQSFFDTPP SGRILNRFK DIYVIDEVLV PTILMLLSNF FTSISTIMVI
VASTPLFMVV VLPLAVLYGF VQRFYVATSR QLKRLISISR SPIFSHFSET VTGTSVIRAY
GRIQDFKVLV DTKVDNNQKS SYPYIASNRW LGVHVEFVGN CVVLFALFA VIGRNSLNPG
LVGLSVSYAL QVTMALNMMI RMISDLESNI IAVERVKEYS KTKTEAPWVV ESNRAPEGWP
TRGMVEFRNY SVRYRPGLEL VLKNVTVHVQ GGEKVGIVGR TGAGKSSMTL CLFRILEAAE
GEIVIDGLNV AHIGHLDLRS QLTIPQDPI LFSGTLRMNL DPFGRYSEED IWRALELSHL
NTFVSSQPAG LDFQCAEGGD NLSVGQRQLV CLARALLRKS RVLVLDEATA AIDLETDDLI
QGTIRTQFED CTVLTIAHRL NTIMDYNRVL VLDKGVVAEF DSPVNLIAAG GIFYGMMAKDA GLA

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.
- Mouse Abcc3 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

Product Details

the Expasy's protparam tool to determine the absorption coefficient of each protein.

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| Purification: | Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">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

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| Target: | ABCC3 |
| Alternative Name: | Abcc3 (ABCC3 Products) |
| Background: | May act as an inducible transporter in the biliary and intestinal excretion of organic anions. Acts as an alternative route for the export of bile acids and glucuronides from cholestatic hepatocytes. {ECO:0000269 PubMed:15814571}. |
| Molecular Weight: | 170.3 kDa Including tag. |
| UniProt: | B2RX12 |

Application Details

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| 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: | Protein has not been tested for activity yet. 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 |

Application Details

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