antibodies

Datasheet for ABIN3113427 ABCC1 Protein (AA 1-1531) (Strep Tag)



I Image



Quantity:	1 mg
Target:	ABCC1
Protein Characteristics:	AA 1-1531
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC1 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Sequence:	MALRGFCSAD GSDPLWDWNV TWNTSNPDFT KCFQNTVLVW VPCFYLWACF PFYFLYLSRH
	DRGYIQMTPL NKTKTALGFL LWIVCWADLF YSFWERSRGI FLAPVFLVSP TLLGITMLLA
	TFLIQLERRK GVQSSGIMLT FWLVALVCAL AILRSKIMTA LKEDAQVDLF RDITFYVYFS
	LLLIQLVLSC FSDRSPLFSE TIHDPNPCPE SSASFLSRIT FWWITGLIVR GYRQPLEGSD
	LWSLNKEDTS EQVVPVLVKN WKKECAKTRK QPVKVVYSSK DPAQPKESSK VDANEEVEAL
	IVKSPQKEWN PSLFKVLYKT FGPYFLMSFF FKAIHDLMMF SGPQILKLLI KFVNDTKAPD
	WQGYFYTVLL FVTACLQTLV LHQYFHICFV SGMRIKTAVI GAVYRKALVI TNSARKSSTV
	GEIVNLMSVD AQRFMDLATY INMIWSAPLQ VILALYLLWL NLGPSVLAGV AVMVLMVPVN
	AVMAMKTKTY QVAHMKSKDN RIKLMNEILN GIKVLKLYAW ELAFKDKVLA IRQEELKVLK
	KSAYLSAVGT FTWVCTPFLV ALCTFAVYVT IDENNILDAQ TAFVSLALFN ILRFPLNILP
	MVISSIVQAS VSLKRLRIFL SHEELEPDSI ERRPVKDGGG TNSITVRNAT FTWARSDPPT
	LNGITFSIPE GALVAVVGQV GCGKSSLLSA LLAEMDKVEG HVAIKGSVAY VPQQAWIQND

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/5 | Product datasheet for ABIN3113427 | 04/16/2024 | Copyright antibodies-online. All rights reserved. SLRENILFGC QLEEPYYRSV IQACALLPDL EILPSGDRTE IGEKGVNLSG GQKQRVSLAR AVYSNADIYL FDDPLSAVDA HVGKHIFENV IGPKGMLKNK TRILVTHSMS YLPQVDVIIV MSGGKISEMG SYQELLARDG AFAEFLRTYA STEQEQDAEE NGVTGVSGPG KEAKQMENGM LVTDSAGKQL QRQLSSSSSY SGDISRHHNS TAELQKAEAK KEETWKLMEA DKAQTGQVKL SVYWDYMKAI GLFISFLSIF LFMCNHVSAL ASNYWLSLWT DDPIVNGTQE HTKVRLSVYG ALGISQGIAV FGYSMAVSIG GILASRCLHV DLLHSILRSP MSFFERTPSG NLVNRFSKEL DTVDSMIPEV IKMFMGSLFN VIGACIVILL ATPIAAIIIP PLGLIYFFVQ RFYVASSRQL KRLESVSRSP VYSHFNETLL GVSVIRAFEE QERFIHQSDL KVDENQKAYY PSIVANRWLA VRLECVGNCI LKEAAPWQIQE TAPPSSWPQV GRVEFRNYCL RYREDLDFVL RHINVTINGG EKVGIVGRTG AGKSSLTLGL FRINESAEGE IIIDGINIAK IGLHDLRFKI TIIPQDPVLF SGSLRMNLDP FSQYSDEEVW TSLELAHLKD FVSALPDKLD HECAEGGENL SVGQRQLVCL ARALLRKTKI LVLDEATAAV DLETDDLIQS TIRTQFEDCT VLTIAHRLNT IMDYTRVIVL DKGEIQEYGA PSDLLQQRGL FYSMAKDAGL V

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany from design to production by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

Expression System:

 ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require posttranslational modifications.

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	 During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
	Concentration:
	 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.
	• We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):
	 In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and
Purity:	Western blot. >80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade
Target Details	

Target:	ABCC1
Alternative Name:	ABCC1 (ABCC1 Products)
Background:	Multidrug resistance-associated protein 1 (EC 7.6.2.2) (ATP-binding cassette sub-family C
	member 1) (Glutathione-S-conjugate-translocating ATPase ABCC1) (EC 7.6.2.3) (Leukotriene
	C(4) transporter) (LTC4 transporter),FUNCTION: Mediates export of organic anions and drugs
	from the cytoplasm (PubMed:7961706, PubMed:16230346, PubMed:9281595,
	PubMed:10064732, PubMed:11114332). Mediates ATP-dependent transport of glutathione and
	glutathione conjugates, leukotriene C4, estradiol-17-beta-o-glucuronide, methotrexate, antiviral
	drugs and other xenobiotics (PubMed:7961706, PubMed:16230346, PubMed:9281595,

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	even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
	modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional
	modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the
	modifications. During lysate production, the cell wall and other cellular components that are not required for
	modifications.
	even the most difficult-to-express proteins, including those that require post-translational
	Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from
	guarantee though.
	as well. As the protein has not been tested for functional studies yet we cannot offer a
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
Application Details	
Pathways:	SARS-CoV-2 Protein Interactome
JniProt:	P33527
Molecular Weight:	171.6 kDa
	ECO:0000269 PubMed:7961706, ECO:0000269 PubMed:9281595}.
	ECO:0000269 PubMed:17050692, ECO:0000269 PubMed:36070769,
	ECO:0000269 PubMed:11114332, ECO:0000269 PubMed:16230346,
	(PubMed:36070769). {ECO:0000250 UniProtKB:035379, ECO:0000269 PubMed:10064732,
	independent cyclic GMP-AMP (cGAMP) export (PubMed:36070769). Thus, by limiting intracellular cGAMP concentrations negatively regulates the cGAS-STING pathway
	C4 from leukotriene C4-synthezing cells (By similarity). Mediates ATP-dependent, GSH-
	(PubMed:17050692). Participates in inflammatory response by allowing export of leukotriene
	export of sphingosine 1-phosphate from mast cells independently of their degranulation
	(PubMed:9281595). Hydrolyzes ATP with low efficiency (PubMed:16230346). Catalyzes the
	accumulation of drug in cells, and by mediating ATP- and GSH-dependent drug export

Restrictions:

For Research Use only

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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.
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