Datasheet for ABIN3094965

ARHGAP23 Protein (AA 1-1491) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ARHGAP23
Protein Characteristics:	AA 1-1491
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGAP23 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MNGVAFCLVG IPPRPEPRPP QLPLGPRDGC SPRRPFPWQG PRTLLLYKSP QDGFGFTLRH FIVYPPESAV HCSLKEEENG GRGGGPSPRY RLEPMDTIFV KNVKEDGPAH RAGLRTGDRL VKVNGESVIG KTYSQVIALI QNSDDTLELS IMPKDEDILQ LAYSQDAYLK GNEPYSGEAR SIPEPPPICY PRKTYAPPAR ASTRATMVPE PTSALPSDPR SPAAWSDPGL RVPPAARAHL DNSSLGMSQP RPSPGAFPHL SSEPRTPRAF PEPGSRVPPS RLECQQALSH WLSNQVPRRA GERRCPAMAP RARSASQDRL EEVAAPRPWP CSTSQDALSQ LGQEGWHRAR SDDYLSRATR SAEALGPGAL VSPRFERCGW ASQRSSARTP ACPTRDLPGP QAPPPSGLQG LDDLGYIGYR SYSPSFQRRT GLLHALSFRD SPFGGLPTFN LAQSPASFPP EASEPPRVVR PEPSTRALEP PAEDRGDEVV LRQKPPTGRK VQLTPARQMN LGFGDESPEP EASGRGERLG RKVAPLATTE DSLASIPFID EPTSPSIDLQ AKHVPASAVV SSAMNSAPVL GTSPSSPTFT FTLGRHYSQD CSSIKAGRRS SYLLAITTER SKSCDDGLNT FRDEGRVLRR LPNRIPSLRM LRSFFTDGSL

DSWGTSEDAD APSKRHSTSD LSDATFSDIR REGWLYYKQI LTKKGKKAGS GLRQWKRVYA ALRARSLSLS KERREPGPAA AGAAAAGAGE DEAAPVCIGS CLVDISYSET KRRHVFRLTT ADFCEYLFQA EDRDDMLGWI RAIRENSRAE GEDPGCANQA LISKKLNDYR KVSHSSGPKA DSSPKGSRGL GGLKSEFLKQ SAARGLRTQD LPAGSKDDSA AAPKTPWGIN IIKKNKKAAP RAFGVRLEEC QPATENQRVP LIVAACCRIV EARGLESTGI YRVPGNNAVV SSLQEQLNRG PGDINLQDER WQDLNVISSL LKSFFRKLPE PLFTDDKYND FIEANRIEDA RERMRTLRKL IRDLPGHYYE TLKFLVGHLK TIADHSEKNK MEPRNLALVF GPTLVRTSED NMTDMVTHMP DRYKIVETLI QHSDWFFSDE EDKGERTPVG DKEPQAVPNI EYLLPNIGRT VPPGDPGSDS TTCSSAKSKG SWAPKKEPYA REMLAISFIS AVNRKRKKRR EARGLGSSTD DDSEQEAHKP GAGATAPGTQ ERPQGPLPGA VAPEAPGRLS PPAAPEERPA ADTRSIVSGY STLSTMDRSV CSGASGRRAG AGDEADDERS ELSHVETDTE GAAGAGPGGR LTRRPSFSSH HLMPCDTLAR RRLARGRPDG EGAGRGGPRA PEPPGSASSS SQESLRPPAA ALASRPSRME ALRLRLRGTA DDMLAVRLRR PLSPETRRRR SSWRRHTVVV QSPLTDLNFN EWKELGGGGP PEPAGARAHS DNKDSGLSSL ESTKARAPSS AASQPPAPGD TGSLQSQPPR RSAASRLHQC L

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 in one-step affinity chromatography
- 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 try to ensure that you receive soluble 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 post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for

Product Details

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 against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ARHGAP23
Alternative Name:	ARHGAP23 (ARHGAP23 Products)
Background:	Rho GTPase-activating protein 23 (Rho-type GTPase-activating protein 23),FUNCTION: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. {ECO:0000250}.
Molecular Weight:	162.2 kDa
UniProt:	Q9P227

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.
Comment:	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 post-translational modifications.

Application Details

	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!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months