

Datasheet for ABIN3095688

SRGAP1 Protein (AA 1-1085) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	SRGAP1
Protein Characteristics:	AA 1-1085
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRGAP1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSTPSRFKKD KEIIAYESQ VKEIRAQLVE QQKCLEQQTE MRVQLLQDLQ DFFRKKAIEI TEYSRNLEKL AERFMAKTRS TKDHQQYKGD QNLLSPVNCW YLLLNQVRRE SKDHATLSDI YLNNVIMRFM QISEDSTRMF KKSKEIAFQL HEDLMKVLNE LYTMVKTYHM YHAESISAES KLKEAEKQEE KQIGRSGDPV FHIRLEERHQ RRSSVKKIEK MKEKRQAKYS ENKLKSIKAR NEYLLTLEAT NASVFKYYIH DLSDLIDCCD LGYHASLNRA LRTYLSAEYN LETSRHEGLD IINAVDNLE PRSDKQRFME MYPAAFCPPM KFEFQSHMGD EVCQVSAQQP VQAEMLRYQ QLQSRLATLK IENEEVKKTT EATLQTIQDM VTIEDYDVSE CFQHSRSTES VKSTVSETYL SKPSIAKRRA NQQETEQFYF MKLREYLEGS NLITKLQAKH DLLQRTLGEH HRAEYMTTRP PNVPPKPQKH RKSRRSQYN TKLFNGDLET FVKDSGQVIP LIVESCIRFI NLYGLQHQQI FRVSGSQVEV NDIKNSFERG ENPLADDQSN HDINSVAGVL KLYFRGLENP LFPKERFNDL ISCIRIDNLY ERALHIRKLL LTLPRSVLIV MRYLFAFLNH LSQYSDENMM DPYNLAICFG

PTLMPVPEIQ DQVSCQAHVN EIIKTIHH ETIFPDAKEL DGPVYEKCMAGDDYCDSPYS
EHGTL EEVDQ DAGTEPHTSE DECEPIEAIA KFDYVGRSAR ELSFKKGASLLYHRA SEDW
WEGRHNGIDG LVPHQYIVVQ DMDDTFSDTL SQKADSEASS GPVTE DKSSSKDMNSPTDRH
PDGYLARQRK RGEPPPPVRR PGRTSDGHCP LHPPHALSNS SVDLGSPSLA SHPRGLLQNR
GLNNDSPERR RRPGHGSLTN ISRHDSLKKI DSPPIRRSTS SGQYTG FNDHKPLDPETIAQ
DIEETMNTAL NELRELERQS TAKHAPDVVL DTLEQVKNSP TPATSTESLS PLHNVALRSS
EPQIRRSTSS SSDTMSTFKP MVAPRMGVQL KPPALRPKPA VLPKTNPTIG PAPPPQGPTD
KSCTM

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 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:

Product Details

- 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: SRGAP1

Alternative Name: SRGAP1 ([SRGAP1 Products](#))

Background: SLIT-ROBO Rho GTPase-activating protein 1 (srGAP1) (Rho GTPase-activating protein 13),FUNCTION: GTPase-activating protein for RhoA and Cdc42 small GTPases. Together with CDC42 seems to be involved in the pathway mediating the repulsive signaling of Robo and Slit proteins in neuronal migration. SLIT2, probably through interaction with ROBO1, increases the interaction of SRGAP1 with ROBO1 and inactivates CDC42. {ECO:0000269|PubMed:11672528}.

Molecular Weight: 124.3 kDa

UniProt: [Q7Z6B7](#)

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.

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Application Details

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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