

Datasheet for ABIN7555636

SRGAP1 Protein (AA 1-1085) (His tag)



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Overview

Quantity:	1 mg
Target:	SRGAP1
Protein Characteristics:	AA 1-1085
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRGAP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SRGAP1 Protein expressed in mammalian cells.
Sequence:	<p>MSTPSRFKKD KEIIAEYESQ VKEIRAQLVE QQKCLEQQTE MRVQLLQDLQ DFFRKKAIEIE</p> <p>TEYSRNLEKL AERFMAKTRS TKDHQQYKGD QNLLSPVNCW YLLLNQVRRE SKDHATLSDI</p> <p>YLNNVIMRFM QISEDSTRMF KKSKEIAFQL HEDLMKVLNE LYTMVKTYHM YHAESISAES</p> <p>KLKEAEKQEE KQIGRSGDPV FHIRLEERHQ RRSSVKKIEK MKEKRQAKYS ENKLKSIKAR</p> <p>NEYLLTLEAT NASVFKYYIH DLSDLIDCCD LGYHASLNRA LRTYLSAEYN LETSRHEGLD</p> <p>IINAVDNLE PRSDKQRFME MYPAAFPPM KFEFQSHMGD EVCQVSAQQP VQAEMLRYQ</p> <p>QLQSRLATLK IENEEVKKTT EATLQTIQDM VTIEDYDVSE CFQHSRSTES VKSTVSETYL</p> <p>SKPSIAKRRA NQQETEYFYF MKLREYLEGS NLITKLQAKH DLLQRTLGEH HRAEYMTTRP</p> <p>PNVPPKPQKH RKSRRPSQYN TKLFNGDLET FVKDSGQVIP LIVESCIRFI NLYGLQHQGI</p> <p>FRVSGSQVEV NDIKNSFERG ENPLADDQSN HDINSVAGVL KLYFRGLENP LFPKERFNDL</p> <p>ISCIRIDNLY ERALHIRKLL LTLPRSVLIV MRYLFAFLNH LSQYSDENMM DPYNLAICFG</p>

PTLMPVPEIQ DQVSCQAHVN EIIKTIHH ETIFPDAKEL DGPVYEKCMAGDDYCDSPYS
EHGTLEEVDQ DAGTEPHTSE DECEPIEAIA KFDYVGRSAR ELSFKKGASLLYHRAEDW
WEGRHNGIDG LVPHQYIVVQ DMDDTFSDTL SQKADSEASS GPVTEKSSS KDMNSPTDRH
PDGYLARQRK RGEPPPPVRR PGRTSDGHCP LHPHALSNS SVDLGSPSLA SHPRGLLQNR
GLNNDSPERR RRPGHGSLTN ISRHDSLKKI DSPPIRRSTS SGQYTGFDNH KPLDPETIAQ
DIEETMTAL NELRELERQS TAKHAPDVVL DTLEQVKNSP TPATSTESLS PLHNVALRSS
EPQIRRTSS SSDTMSTFKP MVAPRMGVQL KPPALRPKPA VLPKTNPTIG PAPPPQGPTD
KSCTM **Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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

Target Details

	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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition 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:	12 months