

Datasheet for ABIN7564410  
**SGSM1 Protein (AA 1-1093) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SGSM1
Protein Characteristics:	AA 1-1093
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGSM1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Sgsm1 Protein expressed in mammalian cells.
Sequence:	MASVPAAEET RQRLLRVKK EVKQIMEEAV TRKRVHEDSS HIIFCAA VE ACVLHGLRRR AAGFLRSNKI AALFMKVGKG FPPAEELSRK VQEQLEQLIES ARNQIQLQE NVRKLPKLPN LSPLAIKHLW IRTALFGRVL DKIVHYLVEN SSKYYEKEAL LMDPVDGPIL ASLLVGPCAL EYTKMKTADH FWTDPSEDEL VQRHRIHSSH LRQDSPTKRP ALCIQKRHSS GSMDDRPSIS ARDYVESLHQ DSRATLLYGK NNVLVQPRDD MEAVPGYLSL HQTADVMTLK WTPNQLMNGS VGDLDYEKSV YWDYAVTIRL EEIVYLHCHQ QVDSGGTVVL VSQDGIQRPP FRFPKGGHLL QFLSLENGL LPHGQLDPPL WSQRGKGVF PKLRKRSPQG SSESTSSDKE DDEATDYVFR IYPGTQSEF VPQDLMDVSM NNLPLWQPS PRKSSCSSCS QSGSADGGST NGCNHERAPL KLLCDNMKYQ ILSRAFYGWL AYCRHLSTVR THLSALVNHM IVSPDLPCDA GGGLTASIWE KYIQDSTTYP EQELLRLIYY GGVQPEIRRA VWPFLGHYQ FGMTEMERKE VDEQIHACYA QTMSEWLGCE AIVRQRERES HAAALAKCSS GASLDShLHR MLHRDSTISN ESSQSCSSGR QNLRLQSDSS SSTQVFESVD EVEQTEAAGR SEEKHPKIPN GNPANGTCSP DSGHPSSHNF

## Product Details

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SSGLSEHSEP SLSTEDSVLD AQRSLPAVFR PGDSSVEDGQ SSEATTSRDE APREELAVQD  
SLESDLLANE SLEEFMSIPG SLDVALPEKD GAVMDGWPGE ADKPSRADSE DNLSEPEME  
SLFPALASLA VTSSANNEAS PVSSSGVTYS PELLDLTYVN LHRIEKDVQR CDRSYWYFTA  
ANLEKLRNIM CSYIWQHIEI GYVQGMCDLL APLLILDDE ALAFSCFTEL MKRMNQNFPH  
GGAMDTHFAN MRSLIQLDS ELFELMHQNG DYTHFYFCYR WFLDFKREL VYDDVFSVWE  
TIWAAKHVSS AHYVLFIALA LVEVYRDIIL ENNMDFTDII KFFNEMAERH NAKQILQLAR  
DLVHKVQILI ENK **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.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** SGSM1

**Alternative Name:** Sgsm1 ([SGSM1 Products](#))

**Background:** Small G protein signaling modulator 1 (RUN and TBC1 domain-containing protein 2),FUNCTION: Interacts with numerous Rab family members, functioning as Rab effector for some, and as

## Target Details

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GTPase activator for others. Promotes GTP hydrolysis by RAB34 and RAB36. Probably functions as a GTPase effector with RAB9A and RAB9B, does not stimulate GTP hydrolysis with RAB9A and RAB9B. {ECO:0000250|UniProtKB:Q2NKQ1}.

Molecular Weight: 123.2 kDa

UniProt: [Q8BPQ7](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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