

Datasheet for ABIN7558322
SGSM2 Protein (AA 1-1005) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | SGSM2 |
| Protein Characteristics: | AA 1-1005 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SGSM2 protein is labelled with His tag. |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinant Sgsm2 Protein expressed in mammalian cells. |
| Sequence: | <p>MGSAEDAVKE KLLWNVKKEV KQIMEEAVTR KFVHEDSSHI IALCGAVEAC LLHQLRRRAA GFLRSDKMAA LFTKVGKTCP VAEDICHKVQ ELQQQAEGRK PSGGSQEALR KQGSTGGKAP ALSPQALKHI WVRTALMEKV LDRVVQYLAE NCSKYEKEA LLADPVFGPI LACLLVGPCA LEYTKLKTAD HYWTDPSADE LVQRHRIRGP PNRQDSPAKR PALGIRKRHS SGSASEDRLA ACAREYVESL HQNSRTRLLY GKNNVLVQPK EDMEAVPGYL SLHQSAENLT LKWTPNQLMN GTLGDSELEK SVYWDYALVV PFSQIVCIHC HQQKSGGTLV LVSQDGIQRP PLHFPQGGHL LSFLSCLENG LLPRGQLEPP LWTQQGKGKV FPKLRKRSSI RSIDVEELGV GRATDYVFRI IYPGHRHEHN AGDMIEMQGF GPSLTAWHLE PLCSQGSSCL SCSSSSSPYA TPSHCSCIPD RLPLRLLCES MKRQIVSRAF YGWLAYCRHL STVRTHLSAL VHHNIIPPDR PPGASGGLTK DVWSKYQKDE KNYKELELLR QVYYGGVEHE IRKDVWPFLG GHYKFGMSKK EMEQVDTAVA ARYQQVLAEW KACEVVVRQR EREAHPATLT KFSSGSSIDS HVQRLVHRDS TISNDVFISV DDLEPSGPQD LEDSKPKREQ EPGAGTPGIA AAEQQSVEFD SPDSGLPSSR NYSVASGIQS</p> |

Product Details

SLDEAQSVMGF EDDGAGEDGS EGPATAAHTF PGPHPDQGET LAPASELEAG QELAAVCAAA
YTIELLDTVA LNLHRIDKDV QRCDRNYWYF TTSNLERLRD IMCSYVWEHL DMGYVQGMCD
LLAPLLVILD NDQLAYSCFS HLMKRMGQNF PSGGAMDSHF ANMRSLIQIL DSELFELMHQ
NGDYTHFYFC YRWFLDFKR ELLYEDVFAV WEVIWAARRI SSEHFVLFIA LALVEAYREI
IRDNNMDFTD IIKFFNERAE RHDAQEILRI ARDLVHKVQM LIDNK **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

Target: SGSM2

Alternative Name: Sgsm2 ([SGSM2 Products](#))

Background: Small G protein signaling modulator 2 (RUN and TBC1 domain-containing protein 1),FUNCTION: Possesses GTPase activator activity towards RAB32, RAB33B and RAB38. Regulates the trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in

Target Details

melanocytes by inactivating RAB32 and RAB38. Inhibits RAB32 and RAB38 activation both directly by promoting their GTPase activity and indirectly by disrupting the RAB9A-HPS4 interaction which is required for RAB32/38 activation (PubMed:26620560).
{ECO:0000269|PubMed:26620560}.

Molecular Weight: 113.1 kDa

UniProt: [Q80U12](#)

Application Details

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

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