

Recombinant Human SGSM3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SGSM3-4819H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SGSM3 MS Standard C13 and N15-labeled recombinant protein (NP_056520) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SGSM3 (Small G Protein Signaling Modulator 3) is a Protein Coding gene. Diseases associated with SGSM3 include Perianal Hematoma. Among its related pathways are Ectoderm Differentiation. Gene Ontology (GO) annotations related to this gene include GTPase activator activity and Rab GTPase binding. An important paralog of this gene is TBC1D9B.
Molecular Mass	85.4 kDa
AA Sequence	MSGSHTPACGPFSAITPSIWPQEILAKYTQKEESAEQPEFYDEFGRVYKEEGDE PGSSLLANSPLMEDAPQRLRWQAHLEFTHNHDVGDLTWDKIAVSLPRSEKLRSVL AGIPHGMRPQLWMRLSGALQKKRNSELSYREIVKNSSNDETIAAKQIEKDLLRTMPS NACFASMGSIGVPRRLRRVLRALAWLYPEIGYCQGTGMVAACLLLFLEEEDAFWMMS AIIEDLLPASYFSTTLLGVQTDQRVLRHLIVQYLPRLDKLLQEHDIELSLTLHWFLTAF ASVVDIKLLLRIWDLFFYEGSRVLFQLTLGMLHLKEEELIQSENSASIFNTLSDIPSQM EDAELLGVAMRLAGSLTDVAVETQRRKHLAYLIADQGQLLGAGTLTNLSQVVRRT QRRKSTITALLFGEDDLEALKAKNIKQTELVADLREAILRVARHFQCTDPKNCSVELT

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PDYSMESHQRDHENYVACSRSHRRRAKALLDFERHDDDELGFRKNDIITIVSQKDE
 HCWVGELNGLRGWFPKAFVEVLDERKEYSIAGDDSVTEGVTDLVRGTLCPALKAL
 FEHGLKKPSLLGGACHPWLFIEEAAGREVERDFASVYSRLVLCKTFRLEDEGKVLTP
 EELLYRAVQSVNVTHDAVHAQMDVKLRSLICVGLNEQVLHLWLEVLCSLPTVEKW
 YQPWSFLRSPGWVQIKCELRLVCCFAFSLSQDWELPAKREAQQPLKEGVDRDMLVK
 HHLFSWDVDGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **SGSM3** small G protein signaling modulator 3 [Homo sapiens (human)]

Official Symbol **SGSM3**

Synonyms SGSM3; small G protein signaling modulator 3; RUN and TBC1 domain containing 3, RUTBC3; DJ1042K10.2; RabGAP 5; RABGAP5; RUN and SH3 containing 3; RUSC3; rabGAPLP; merlin binding protein; merlin-associated protein; RUN and TBC1 domain containing 3; RUN and TBC1 domain-containing protein 3; rab-GTPase-activating protein-like protein; small G protein signaling modulator 3 protein; MAP; RUTBC3; RabGAP-5; DKFZp761D051;

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Gene ID	27352
mRNA Refseq	NM_015705
Protein Refseq	NP_056520
MIM	610440
UniProt ID	Q96HU1
SDS-PAGE	