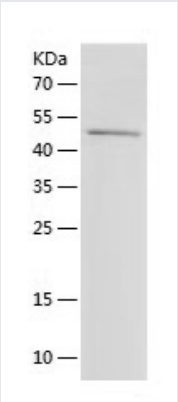
SGSM3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SGSM3, Recombinant Protein
Full Product Name	Recombinant Human SGSM3
Product Gene Name	SGSM3 recombinant protein
Product Synonym Names	MAP; Merlin associated protein; RabGAPLP; RUSC3; RUTBC3; SGSM3
Host	E Coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 85% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	82 kDa
Sequence Positions	1-217
OMIM	610440
3D Structure	ModBase 3D Structure for Q96HU1
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000 rpm for 1 minute, reconstitute at 200 ug/ml in sterile distilled water by gentle pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for SGSM3 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for SGSM3 recombinant protein	MBS7616318 is a recombinant protein targeting SGSM3. Also known as Recombinant Human SGSM3. Host: E Coli.
Other Notes	Small volumes of SGSM3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SGSM3 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SGSM3. It may not necessarily be applicable to this product.

NCBI GI #	168985143
NCBI GeneID	27352
NCBI Accession #	CAQ08933
UniProt Primary Accession #	Q96HU1
UniProt Secondary Accession #	Q7Z709; Q9NT69; B0QY79
UniProt Related Accession #	Q96HU1
NCBI Official Synonym Full Names	small G protein signaling modulator 3
NCBI Official Symbol	SGSM3
NCBI Official Synonym Symbols	MAP; RUSC3; RUTBC3; RABGAP5; RabGAP-5; rabGAPLP
UniProt Protein Name	Small G protein signaling modulator 3
UniProt Synonym Protein Names	Merlin-associated protein; RUN and TBC1 domain-containing protein 3; Rab-GTPase-activating protein-like protein; RabGAPLP
Protein Family	Small G protein signaling modulator
UniProt Gene Name	SGSM3
UniProt Synonym Gene Names	RabGAPLP
UniProt Entry Name	SGSM3_HUMAN
NCBI Protein Information	small G protein signaling modulator 3
UniProt Comments for SGSM3	SGSM3: May play a cooperative role in NF2-mediated growth suppression of cells. Belongs to the small G protein signaling modulator family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: G protein regulator, misc. Chromosomal Location of Human Ortholog: 22q13.1-q13.2 Cellular Component: cytosol Molecular Function: protein binding; Rab GTPase binding Biological Process: regulation of Rab protein signal transduction; plasma membrane to endosome transport; cell cycle arrest; Rap protein signal transduction

Research Articles on SGSM3	**1.** rs56228771 may contribute to hepatocarcinogenesis, possibly by affecting SGSM3 expression through a miRNA-mediated regulation.
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