

Recombinant Human SGMS2 Protein, GST-tagged

Cat. No. SGMS2-4336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGC26963 full-length ORF (NP_689834.1, 1 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Sphingomyelin, a major component of cell and Golgi membranes, is made by the transfer of phosphocholine from phosphatidylcholine onto ceramide, with diacylglycerol as a side product. The protein encoded by this gene is an enzyme that catalyzes this reaction primarily at the cell membrane. The synthesis is reversible, and this enzyme can catalyze the reaction in either direction. The encoded protein is required for cell growth. Three transcript variants encoding the same protein have been found for this gene. There is evidence for more variants, but the full-length nature of their transcripts has not been determined
Molecular Mass	68.7 kDa
AA Sequence	MDIETAKLEEHLNQPSDPTNTYARPAEPVEEENKNGNGKPKSLSSGLRKGTKKYP DYIQIAMPTESRNKFPLEWWKTGIAFIYAVFNLVLTVMITVVHERVPPKELSPPLPDK FFDYIDRVKWAHSVSEINGIILVGLWITQWLFLRYKSIVGRRFCFIIGTLYLYRCITMYV TTLPVPGMHFQCAPKLNGDSQAKVQRILRLISGGGLSITGSHILCGDFLFSGHTVTLT LTYLFIKEYSPRHFWWYHLICWLLSAAGIICILVAHEHYTIDVIIAYYITTRLFWWYHSM ANEKNLKVSSQTNFLSRAWWFPIFYFFEKNVQGSIPCCFSWPLSWPPGCFKSSCKK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YSRVQKIGEDNEKST

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[SGMS2 sphingomyelin synthase 2 \[Homo sapiens \]](#)

Official Symbol

[SGMS2](#)

Synonyms

SGMS2; sphingomyelin synthase 2; phosphatidylcholine:ceramide
cholinephosphotransferase 2; MGC26963; SMS2; SM synthase;

Gene ID

[166929](#)

mRNA Refseq

[NM_001136257](#)

Protein Refseq

[NP_001129729](#)

MIM

[611574](#)

UniProt ID

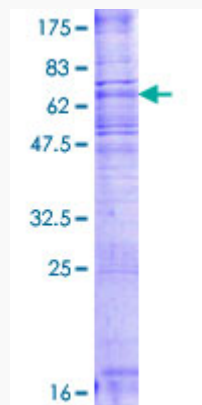
[Q8NHU3](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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