Recombinant Full Length Human SGMS2 Protein, GST-tagged

Cat. No. SGMS2-6170HF **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	In Vitro Cell Free System
ProteinLength	365 amino acids
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	MDIIETAKLEEHLENQPSDPTNTYARPAEPVEEENKNGNGKPKSLSSGLRKGTKKYP DYIQIAMPTESRNKFPLEWWKTGIAFIYAVFNLVLTTVMITVVHERVPPKELSPPLPDK FFDYIDRVKWAFSVSEINGIILVGLWITQWLFLRYKSIVGRRFCFIIGTLYLYRCITMYV TTLPVPGMHFQCAPKLNGDSQAKVQRILRLISGGGLSITGSHILCGDFLFSGHTVTLT LTYLFIKEYSPRHFWWYHLICWLLSAAGIICILVAHEHYTIDVIIAYYITTRLFWWYHSM

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	ANEKNLKVSSQTNFLSRAWWFPIFYFFEKNVQGSIPCCFSWPLSWPPGCFKSSCKK 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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