

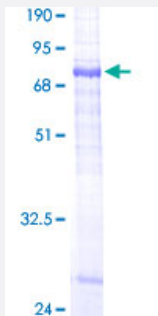
Full-Length

SGMS1 (Human) Recombinant Protein (P01)

Catalog # H00259230-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SGMS1 full-length ORF (AAH42899, 1 a.a. - 413 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKEVVYWSPKKVADWLLLENAMPEYCEPLEHFTGQDLINLTQEDFKKPPLCRVSSDNGQRLLDMI
ETLKMEHHLEAHKNGHANGHLNIGVDIPTPDGSFSIKIKPNGMPNGYRKEMIKIPPELERSQYPME
WGKTFLAFLYALSCFVLTTVMISVVHERVPPKEVQPPLPDTFDFHNRVQWAFSICEINGMILVGL
WLIQWLLLKYKSIISRRFFCIVGTLYLRCITMYVTTLVPGMHFNCSPKLFGDWEAQLRRIMKLIAGG
GLSITGSHNMC GDYLYSGHTVMLTLTYLFIKEYSPRRLWWYHWICWLLSVVGIFCILLAHDHYTVDV
VVAYYITTRLFWWYHTMANQQVLKEASQMNLLARVWWYRPFQYFEKNVQGVPRSYHWPFPWPV
VHLSRQVKYSRLVNDT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.17

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — SGMS1

Entrez GeneID [259230](#)

GeneBank Accession# [BC042899](#)

Protein Accession# [AAH42899](#)

Gene Name SGMS1

Gene Alias MGC17342, MOB, MOB1, SMS1, TMEM23

Gene Description sphingomyelin synthase 1

Omim ID [611573](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is predicted to be a five-pass transmembrane protein. This gene may be predominately expressed in brain. [provided by RefSeq]

Other Designations OTTHUMP00000035396|hmob33 protein|medulla oblongata-derived protein|phosphatidylcholine:ceramide cholinephosphotransferase 1|putative membrane protein|transmembrane protein 23

Publication Reference

- [Caspase-mediated inhibition of sphingomyelin synthesis is involved in FasL-triggered cell death.](#)

Lafont E, Milhas D, Carpentier S, Garcia V, Jin ZX, Umehara H, Okazaki T, Schulze-Osthoff K, Levade T, Benoist H, Segui B.
Cell Death and Differentiation 2010 Apr; 17(4):642.

Application: Func, Recombinant protein

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)