

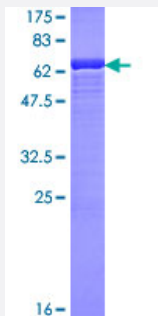
Full-Length

SMS (Human) Recombinant Protein (P01)

Catalog # H00006611-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SMS full-length ORF (AAH09898.1, 1 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAARHSTLDFMLGAKADGETILKGLQSIFQEQGMAESVHTWQDHGYLATYTNKNGSFANLRYP
HGLVLLDLQSYDGDAGQKKEIDSILNKVEERMKELSQDSTGRVKRLPPMRGGADRYWPTADGR
LVEYDIDEVYDEDSPYQNIKILHSKQFGNILILSGDVNLAESDLAYTRAIMGSGKEDYTGKDVILGG
GDGGILCENKLPKMTMVEIDQMVIDGCKKYMRTCDVLDNLKGDCYQVLIEDCIPVLKRYAK
EGREFDYVINDLTAVPISTSPPEEDSTWEFLRLILDLSMKVLKQDGKYFTQGNCVNLTEALSLYEEQL
GRLYCPVEFSKEMCVPSYLELWVFYTVWKKAKP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66

Interspecies Antigen Sequence

Rat (97)

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 — SMS

Entrez GeneID[6611](#)**GeneBank Accession#**[BC009898](#)**Protein Accession#**[AAH09898.1](#)**Gene Name**

SMS

Gene Alias

MRSR, SPMSY, SRS, SpS

Gene Description

spermine synthase

Omim ID[300105 309583](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism. [provided by RefSeq]

Other Designations

spermidine aminopropyltransferase

Pathway

- [Arginine and proline metabolism](#)
- [beta-Alanine metabolism](#)

- [Cysteine and methionine metabolism](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)