

Recombinant Human SMS

Cat. No. SMS-30399TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Spermine synthase protein with an N terminal proprietary tag; Predicted MW 66.37 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	366 amino acids
Description	The protein encoded by this gene belongs to the spermidine/spermine synthases family. This gene encodes an ubiquitous enzyme of polyamine metabolism.
Molecular Weight	66.370kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAAARHSTLDFMLGAKADGETILKGLQSIFQEQGMAESVH TWQDHGYLATYTNNKNGSFANLRIYPHGLVLLDLQSYDGDA QGKEEIDSILNKVEERMKELSQDSTGRVKRLP

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PIVRGGAI DRYWPTADGRLVEYDIDEVVYDEDSPYQNIKILHSKQFGN ILILSGDVNL
 AESDLAYTRAIMGSGKEDYTGKDVLLILGGG DGGILCEIVKLKPKMVTMVEIDQMVID
 GCKKYMRTCTGDV LDNLKGDCYQVLIEDCIPVLKRYAKEGREFDYVINDLTAV PIST
 SPEEDSTWEFLRLILDLSMKVLKQDGKYFTQGNCVN LTEALSLYEEQLGRLYCPVE
 FSKEIVCVPSYLELWVFYTV WKKAKP

**Sequence
Similarities**

Belongs to the spermidine/spermine synthase family.

GENE INFORMATION

Gene Name SMS spermine synthase [Homo sapiens]

Official Symbol SMS

Synonyms SMS; spermine synthase; Snyder Robinson X linked mental retardation syndrome , SRS; MRSR; SPMSY; SpS;

Gene ID 6611

mRNA Refseq NM_004595

Protein Refseq NP_004586

MIM 300105

Uniprot ID P52788

**Chromosome
Location** Xp22.1

Pathway Arginine and proline metabolism, organism-specific biosystem; Arginine and proline

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metabolism, conserved biosystem; Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glutathione metabolism, organism-specific biosystem;

Function

spermidine synthase activity; spermine synthase activity; transferase activity;

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