

Recombinant Human SMS protein, GST-tagged

Cat. No. SMS-8789H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMS protein(1-366 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-366 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MAAARHSTLDFMLGAKADGETILKGLQSIFQEQGMAESVHTWQDHGYLATYTNKNG SFANLRIYPHGLVLLDLQSYDGDAQGKEEIDSILNKVEERMKELSQDSTGRVKRLPPI VRGGAIDRYWPTADGRLVEYDIDEVYDEDSFYQNIKILHSKQFGNIIILSGDVNLAE SDLAYTRAIMGSGKEDYTGKDVILGGGDGGILCEIVKLKPKMVTMVEIDQMVIDGCK KYMRTCTGDVLDNLKGDCYQVLIEDCIPVLKRYAKEGREFDYVINDLTAVPISTSPPE DSTWEFLRLILDLSMKVLKQDGKYFTQGNCVNLTEALSLYEEQLGRLYCPVEFSKEI VCVPSYLELWVFYTVWKKAKP
Purity	85%, by SDS-PAGE.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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; spermidine aminopropyltransferase; Snyder-Robinson X-linked mental retardation syndrome; SRS;

mRNA Refseq NM_004595

Protein Refseq NP_004586

MIM 300105

UniProt ID P52788

Gene ID 6611

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