

Recombinant Human SMS protein, His-tagged

Cat. No. SMS-2824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMS protein(1-366 aa), fused with N-terminal His 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 7.4). 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 300 mM imidazole.
AASequence	MAAARHSTLDFMLGAKADGETILKGLQSIFQEQGMAESVHTWQDHGYLATYTNKNG SFANLRIYPHGLVLLDLQSYDGDAQGKEEIDSILNKVEERMKELSQDSTGRVKRLPPI VRGGAIDRYWPTADGRLVEYDIDEVVDSPYQNIKILHSKQFGNIIILSGDVNLAE SDLAYTRAIMGSGKEDYTGKDVILGGGDDGILCEIVKLKPKMVTMVEIDQMVIDGCK KYMRKTCGDVLDNLKGDCYQVLIEDCIPVLKRYAKEGREFDYVINDLTAVPISTSPEE DSTWEFLRLILDLSMKVLKQDGKYFTQGNCVNLTEALSLYEEQLGRLYCPVEFSKEI VCVPSYLELWVFYTVWKKAKP
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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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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SDS-PAGE

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