

Product information

SRM, 1-302 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0794

Full name: Spermidine synthase

NCBI Accession No.: NP_003123

Synonyms: PAPT, SPDSY, SPS1, SRML1.

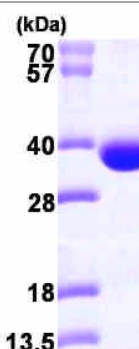
Description: SRM is an enzyme that catalyzes the transfer of the propylamine group from S-adenosylmethioninamine to putrescine in the biosynthesis of spermidine. The polyamines putrescine, spermine, and spermidine are ubiquitous polycationic mediators of cell growth and differentiation. This protein is one of four enzymes in the polyamine-biosynthetic pathway and carries out the final step of spermidine biosynthesis. Recombinant human SRM protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol
2mM DTT, 0.1M NaCl.

Molecular Weight: 36 kDa (322aa) confirmed by MALDI-TOF

Purity: > 95 % by SDS – PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MEPGPDGPAA SGPAAIREGW FRETCSLWPG QALSLQVEQL LHRRRSRYQD ILVFRSKTYG NVLVLDGVIQ
CTERDEFSYQ EMIANLPLCS HPNPRKVL I I GGGDGGVLRE VVKHPSVESV VQCEIDEDVI QVSKKFLPGM AIGYSSSKLT LHVGDGFEM
KQNQDAFDVI ITDSSDPMGP AESLFKESYY QLMKTALKED GVLCCQGEQC WLHLDLIKEM RQFCQSLFPV VAYAYCTIPT YPSGQIGFML
CSKNPSTNFK EPVQPLTQQQ VAQMQLKYNN SDVHRAAFVL PEFARKALND VS

General references:

Wu H., *et al.* (2007) *Biochemistry*. 46(28):8331-9.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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