

Recombinant Full Length Human SRM Protein, C-Flag-tagged

Cat. No. SRM-1642HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SRM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The polyamines putrescine, spermine, and spermidine are ubiquitous polycationic mediators of cell growth and differentiation. Spermidine synthase is one of four enzymes in the polyamine-biosynthetic pathway and carries out the final step of spermidine biosynthesis. This enzyme catalyzes the conversion of putrescine to spermidine using decarboxylated S-adenosylmethionine as the cofactor.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.6 kDa
AA Sequence	MEPGPDGPAASGPAAIREGWFRETCSLWPGQALSLQVEQLLHRRSRYQDILVFR SKTYGNVLVLDGVIQ CTERDEFSYQEMIANLPLCSHPNPRKVLIIIGGGDGGVLREV KHPSVESVVQCEIDEDVIQVSKKFLPGM AIGYSSSKLTLHVGDGFEFMKQNQDAFD VIITDSSDPMGPAESLFKESYYQLMKTALKEDGVLCCQGECC WLHLDLIKEMRQFC QSLFPVVAYAYCTIPTPSGQIGFMLCSKNPSTNFQEPVQPLTQQQVAQMQLKYYN SDVHRAAFVLPEFARKALNDVSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine metabolism, Glutathione metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	SRM spermidine synthase [Homo sapiens (human)]
Official Symbol	SRM
Synonyms	PAPT; SPS1; SPDSY; SRML1
Gene ID	6723
mRNA Refseq	NM_003132.3
Protein Refseq	NP_003123.2
MIM	182891

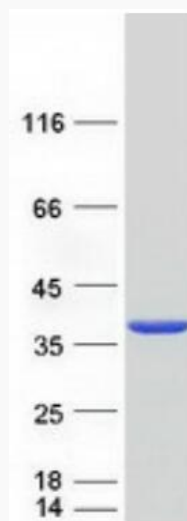
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UniProt ID

P19623



Coomassie blue staining of purified SRM protein.

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