

Recombinant Human SRM Protein, His-tagged

Cat. No. SRM-2735H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRM Protein (Glu18-Ser302) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu18-Ser302
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.9 kDa Accurate Molecular Mass: 36 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	SRM spermidine synthase [Homo sapiens (human)]
Official Symbol	SRM
Synonyms	SRM; spermidine synthase; SRML1; SPS1; spermidine synthase-1; putrescine aminopropyltransferase; PAPT; SPDSY;
Gene ID	6723
mRNA Refseq	NM_003132
Protein Refseq	NP_003123
MIM	182891
UniProt ID	P19623

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