

Product datasheet for PH301761

Spermidine synthase (SRM) (NM_003132) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SRM MS Standard C13 and N15-labeled recombinant protein (NP_003123)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201761
Predicted MW:	33.8 kDa
Protein Sequence:	>RC201761 protein sequence Red=Cloning site Green=Tags(s) MEPGPDGPAASGPAAIREGWFRETCSLWPGQALSLQVEQLLHHRRSRYQDILVFRSKTYGNVLVLDGVIQ CTERDEFSYQEMIANLPLCSHPNPRKVLIIIGGDGGVLRVVKHPSVESVVQCEIDEDVIQVSKKFLPGM AIGYSSSKLTLHVGDGFEMKQNQDAFDVITDSSDPMGPAESLFKESYYQLMKTALKEDGVLCCQGECC WLHLDLIKEMRQFCQSLFPVVAYAYCTIPTYPSGQIGFMLCSKNPSTNFQEPVQPLTQQQVAQMQLKYNN SDVHRAAFVLPEFARKALNDVS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003123</u>
RefSeq Size:	1273
RefSeq ORF:	906
Synonyms:	PAPT; SPDSY; SPS1; SRML1
Locus ID:	6723



[View online »](#)

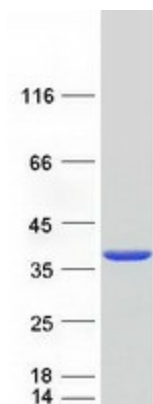
UniProt ID: [P19623](#)

Cytogenetics: 1p36.22

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine metabolism, Glutathione metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified SRM protein (Cat# [TP301761]). The protein was produced from HEK293T cells transfected with SRM cDNA clone (Cat# [RC201761]) using MegaTran 2.0 (Cat# [TT210002]).