

Product datasheet for **TP301761M**

Spermidine synthase (SRM) (NM_003132) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human spermidine synthase (SRM), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201761 protein sequence
Red=Cloning site **Green**=Tags(s)

MEPGPDGPAASGPAAIREGWFRETCSLWPGQALSQVEQLLHRRRSRYQDILVFRSKTYGNVLVLDGVIQ
CTERDEFSYQEMIANLPLCSPHNPRKVLIIIGGGDGGVLREVVKHPSVESVWQCEIDEDVIQVSKKFLPGM
AIGYSSSKLTLHVGDGFEMKQNQDAFDVIITDSSDPMGPAESLFKESYYQLMKTALKEDGVLCCQGECC
WLHLDLIKEMRQFCQSLFPVVAYAYCTIPTYPSGQIGFMLCSKNPSTNFQEPVQPLTQQQVAQMQLKYNN
SDVHRAAFVLPEFARKALNDVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 33.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003123](#)

Locus ID: 6723



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UniProt ID: [P19623](#)

RefSeq Size: 1273

Cytogenetics: 1p36.22

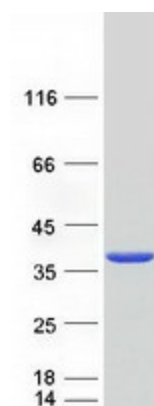
RefSeq ORF: 906

Synonyms: PAPT; SPDSY; SPS1; SRML1

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]).