

## Recombinant Mouse Srm Protein, Myc/DDK-tagged

**Cat. No.** Srm-6127M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length spermidine synthase (Srm), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Catalyzes the production of spermidine from putrescine and decarboxylated S-adenosylmethionine (dcSAM). Has a strong preference for putrescine as substrate, and has very low activity towards 1,3-diaminopropane. Has extremely low activity towards spermidine. |
| <b>Molecular Mass</b>   | 34.4 kDa                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                       |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                    |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                             |

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## GENE INFORMATION

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Gene Name       | Srm spermidine synthase [ Mus musculus (house mouse) ]                              |
| Official Symbol | Srm                                                                                 |
| Synonyms        | SRM; spermidine synthase; putrescine aminopropyltransferase; SpdST; SpdSy; AA407669 |
| Gene ID         | 20810                                                                               |
| mRNA Refseq     | NM_009272                                                                           |
| Protein Refseq  | NP_033298                                                                           |
| UniProt ID      | Q64674                                                                              |

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