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# SRM Human

**Description:**SRM Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 322 amino acids (1-302 a.a.) and having a molecular mass of 36kDa. The SRM is purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-034

For research use only.

**Synonyms:**Spermidine synthase, SPDSY, Putrescine aminopropyltransferase, SRM, SPS1, SRML1, PAPT.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MEPGPDGPAA SGPAAIREGW FRETCSLWPG QALSLQVEQL LHHRRSRYQD ILVFRSKTYG NVLVLDGVIQ CTERDEFSYQ EMIANLPLCS HPNPRKVLII GGGDGGVLRE VVKHPSVESV VQCEIDEDVI QVSKKFLPGM AIGYSSSKLT LHVGDGFEFM KQNQDAFDVI ITDSSDPMGP AESLFKESYY QLMKTALKED GVLCCQGECQ WL

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**
The SRM solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

**Stability:**
SRM should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
SRM is an enzyme which catalyzes the transfer of the propylamine group from S-adenosylmethioninamine to putrescine in the biosynthesis of spermidine. The polyamines putrescine, spermine and spermidine are ubiquitous polycationic mediators of cell growth and differentiation. The SRM protein is one of four enzymes in the polyamine-biosynthetic pathway and completes the final step of spermidine biosynthesis.

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