

Spermine Synthase Human Recombinant

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| Item Number | rAP-1839 |
| Synonyms | Spermine synthase, SPMSY, Spermidine aminopropyltransferase, SMS, SRS, SpS, MRSR. |
| Description | SMS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (1-366) and having a molecular mass of 43.8kDa.SMS is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. |
| Uniprot Accesion Number | P52788 |
| Amino Acid Sequence | MGSSHHHHHH SSSLVPRGSH MGSHEMAARH STLDFMLGAK ADGETILKGL QSIFQEQGMA ESVHTWQDHG YLATYTNKNG SFANLRIYPH GLVLLDLQSY DGDAQGKEEI DSILNKVEER MKELSQDSTG RVKRLPIVR GGAIIDRYWPT ADGRLVEYDI DEVVYDEDSP YQNIKILHSK QFGNILILSG DVNLAESDLA YTRAIMGSGK EDYTGKDVL I LGGDGGILC EIVKLPKPMV TMVEIDQMVI DGCKKYM- RKT CGDVLNLLKG DCYQVLIEDC IPVLKRYAKE GREFDYVIND LTAVPISTSP EEDSTWEFLR LILDLS- MKVL KQDGKYFTQG NCVNLTEALS LYEEQLGRLY CPVEFSKEIV CVPSYLELWV FYTVWKKAKP. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| Formulation and Purity | The SMS solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**