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SMS, 1-366aa, Human, His tag, E.coli

产品货号: TP03971

第三版

别名: Spermine synthase, MRSR, SPMSY, SpS, SRS

描述: SMS (Spermine synthase) belongs to the spermidine/spermine synthase family. It is an enzyme that converts spermidine into spermine. This enzyme is required for normal viability, growth and fertility involved in polyamine metabolism. Defects in SMS are the cause of Snyder-Robinson syndrome (SRS), also known as X-linked mental retardation Snyder-Robinson type. SRS is characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis, kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive. Recombinant human SMS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

分子量: 43.8kDa (390aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMAAARHSTLDFMLGAKADGETILKGLQSIFQEQGMAESVHTWQDHGYLATYT
NKNGSFANLRIYPHGLVLLDLQSYDGAQGGKEEIDSILNKVEERMKELSQDSTGRVKRLPPIVRGGIDRYWPTADGRLVE
YDIDEVVYDEDESPYQNIKILHSKQFGNILILSGDVNLAESDLAYTRAIMGSGKEDYTGKDVLLGGGDGGILCEIVKLKPKM
VTMVEIDQMVIDGCKKYMRTCGDVLNLLKGDYQVLIEDCIPVLKRYAKEGREFDYVINDLTA VPISTSPPEEDSTWEFL
RLILDLSMKVLKQDGKYFTQGNCVNLTEALSLYEEQLGRLYCPVEFSKEIVCVPSYLELWVYFVTVWKKAKP

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.