

Product datasheet for AR50183PU-N

OriGene Technologies, Inc.

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Spermine synthase (SMS) (1-366, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Spermine synthase (SMS) (1-366, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMAAARH STLDFMLGAK ADGETILKGL QSIFQEQGMA

ESVHTWQDHG YLATYTNKNG SFANLRIYPH GLVLLDLQSY DGDAQGKEEI DSILNKVEER

MKELSQDSTG RVKRLPPIVR GGAIDRYWPT ADGRLVEYDI DEVVYDEDSP YQNIKILHSK QFGNILILSG

DVNLAESDLA YTRAIMGSGK EDYTGKDVLI LGGGDGGILC EIVKLKPKMV TMVEIDQMVI DGCKKYMRKT CGDVLDNLKG DCYQVLIEDC IPVLKRYAKE GREFDYVIND LTAVPISTSP

EEDSTWEFLR LILDLSMKVL KQDGKYFTQG NCVNLTEALS LYEEQLGRLY CPVEFSKEIV CVPSYLELWV

FYTVWKKAKP

Tag: His-tag
Predicted MW: 43.8 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 100 mM

NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human SMS protein, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001245352

Locus ID: 6611

UniProt ID: P52788





Cytogenetics: Xp22.11

Synonyms: MRSR; SPMSY; SpS; SRS

Summary: This gene encodes a protein belonging to the spermidine/spermin synthase family and

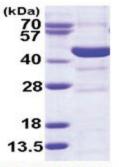
catalyzes the production of spermine from spermidine. Pseudogenes of this gene are located on chromosomes 1, 5, 6 and X. Mutations in this gene cause an X-linked intellectual disability called Snyder-Robinson Syndrome (SRS). Multiple transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Jul 2017]

Protein Pathways: Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine

metabolism, Glutathione metabolism, Metabolic pathways

Product images:



15% SDS-PAGE (3ug)