

## Product datasheet for **AR50183PU-S**

### 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, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMAARH STLDFMLGAK ADGETILKGL QSIFQEQGMA ESVHTWQDHG YLATYTNKNG SFANLRIYPH GLVLLDLQSY DGDAQGKEEI DSILNKVEER MKELSQDSTG RVKRLPIVIR GGAIIDRYWPT ADGRLVEYDI DEVVYDEDSP YQNIKILHSK QFGNILILSG DVNLAESDLA YTRAIMGSGK EDYTGKDVLI LGGGDGGILC EIVKLPKPMV TMVEIDQMVI DGCKKYMRTK CGDVLNLDLKG 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:	<a href="#">NP_001245352</a>
Locus ID:	6611
UniProt ID:	<a href="#">P52788</a>



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**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:

