

Product datasheet

Recombinant Human Spermidine synthase protein ab101051

1 Image

Overview

Product name	Recombinant Human Spermidine synthase protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	P19623
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MEPGPDGPAA SGPAAIREGW FRETCSLWPG QALSLQVEQL LHHRRSRYQD ILVFRSKTYG NVLVLDGVIQ CTERDEFSYQ EMIANLPLCS HPNPRKVLII GGDGGVLRE VVKHPSVESV VQCEIDEDVI QVSKKFLPGM AIGYSSSKLT LHVGDGFEFM KQNQDAFDVI ITDSSDPMGP AESLFKESYY QLMKTALKED GVLCCQGECQ WLHLDLIKEM RQFCQSLFPV VAYAYCTIPT YPSGQIGFML CSKNPSTNFQ EPVQPLTQQQ VAQMQLKYNN SDVHRAAFVL PEFARKALND VS

Molecular weight	36 kDa including tags
Amino acids	1 to 302
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101051** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry
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	SDS-PAGE
Mass spectrometry	MALDI-TOF
Purity	> 95 % SDS-PAGE. ab101051 is purified using conventional chromatography techniques.
Form	Liquid

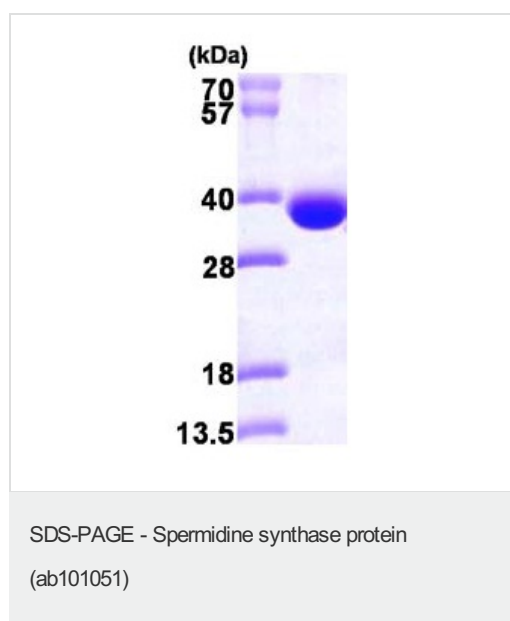
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0
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General Info

Function	Catalyzes the production of spermidine from putrescine and decarboxylated S-adenosylmethionine (dcSAM). Has a strong preference for putrescine as substrate, and has very low activity towards 1,3-diaminopropane. Has extremely low activity towards spermidine.
Pathway	Amine and polyamine biosynthesis; spermidine biosynthesis; spermidine from putrescine: step 1/1.
Sequence similarities	Belongs to the spermidine/spermine synthase family. Contains 1 PABS (polyamine biosynthesis) domain.

Images



ab101051 (3 µg) on an SDS-PAGE gel (15 %).

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