Spermidine Synthase (speE) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spermidine synthase (speE), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Spermidine synthase (speE)
Product Gene Name	speE recombinant protein
Product Synonym Gene Name	speE
Sequence	MELWFTEKQT KHFGITARIN RTLHTEQTEF QKLDMVETEE FGNMLILDGM VMTTEKDEFV YHEMVAHVPL FTHPNPENVL VVGGGDGGVI REVLKHPSVK KATLVEIDGK VIEYSKQYLP SIAGALDNER VEVKVGDGFL HIAESENEYD VIMVDSTEPV GPAVNLFTKG FYAGISKALK EDGIFVAQTD NPWFTPELIT TVFKDVKEIF PITRLYTANI PTYPSGLWTF TIGSKKHDPL EVSEERFHEI ETKYYTKELH NAAFALPKFV GDLIK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	31,144 Da
Sequence Positions	1-275, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q72X78
Species	Bacillus cereus (strain 10987)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for speE recombinant protein	MBS1336946 is a recombinant protein targeting speE. Also known as Recombinant Bacillus cereus Spermidine synthase (speE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of speE recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for speE. It may not necessarily be applicable to this product.

NCBI GI #	446346841
NCBI Accession #	WP_000424696.1
UniProt Primary Accession #	Q72X78
GenBank Nucleotide #	WP_000424696.1
NCBI Official Full Name	MULTISPECIES: spermidine synthase

UniProt Protein Name	Polyamine aminopropyltransferase
UniProt Synonym Protein Names	Putrescine aminopropyltransferase
Protein Family	Polyamine aminopropyltransferase
UniProt Gene Name	speE
UniProt Synonym Gene Names	PAPT; SPDS; SPDSY
UniProt Comments for speE	Catalyzes the irreversible transfer of a propylamine group from the amino donor S-adenosylmethioninamine (decarboxy-AdoMet) to putrescine (1,4-diaminobutane) to yield spermidine.
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