Spermidine Synthase 2 (speE2) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spermidine synthase 2 (speE2), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Spermidine synthase 2 (speE2)
Product Gene Name	speE2 recombinant protein
Product Synonym Gene Name	speE2
Sequence	MPKHRKQSKI KIYRITSYKK DKRSELDSDK FELEQQDKHD IQDKQDKQDE QNKQDKQVQS ENVTIVPTDS HSLDVWDEIS LKEIQAGEHT SLFEEKSNYQ NINLVQVNDV RLYLDKQLQF SSVDEQIYHE ALVHPIMAKV IDPKRVLILG GGDGLALREV LKYETVLHVD LVDLDEAMIN MARNVPEIVS LNKNAFFDNR VNVHVCDAKE FLNSPSSLYD VIIIDFPDPA TELLSTLYTS ELFARIATFL TEDGAFVCQS NSPADAPLVY WSIGNTIEHA GLTVKSYHTI VPSFGTDWGF HLATNSAHVL DQIEQLYVVP TPRTLPALLF PLFQFKEEHL EQRNLALLNS ESNLILHQCY KQEMKF
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	42,015 Da
Sequence Positions	1-366, 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 Q815E8
Species	Bacillus cereus (strain 14579 / DSM 31)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for speE2 recombinant protein	MBS1347870 is a recombinant protein targeting speE2. Also known as Recombinant Bacillus cereus Spermidine synthase 2 (speE2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of speE2 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 speE2. It may not necessarily be applicable to this product.

NCBI GI #	30023245
NCBI GeneID	1207553
NCBI Accession #	NP_834876.1
UniProt Primary Accession #	Q815E8

UniProt Related Accession #	Q815E8
GenBank Nucleotide #	NC_004722.1
NCBI Official Full Name	spermidine synthase
NCBI Official Symbol	speE
UniProt Protein Name	Polyamine aminopropyltransferase 2
UniProt Synonym Protein Names	Putrescine aminopropyltransferase
Protein Family	Polyamine aminopropyltransferase
UniProt Gene Name	speE2
UniProt Synonym Gene Names	PAPT; SPDS; SPDSY
NCBI Protein Information	spermidine synthase
UniProt Comments for speE2	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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