S-Adenosylmethionine Decarboxylase Proenzyme (speD) Escherichia Coli O7:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine decarboxylase proenzyme (speD), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O7:K1 S-adenosylmethionine decarboxylase proenzyme (speD)
Product Gene Name	speD recombinant protein
Sequence	MKKLKLHGFN NLTKSLSFCI YDICYAKTAE ERDGYIAYID ELYNANRLTE ILSETCSIIG ANILNIARQD YEPQGASVTI LVSEEPVDPK LIDKTEHPGP LPETVVAHLD K
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	30,385 Da
Sequence Positions	1-111, Full length protein
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 B7NI80
Species	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for speD recombinant protein	MBS1163991 is a recombinant protein targeting speD. Also known as Recombinant Escherichia coli O7:K1 S-adenosylmethionine decarboxylase proenzyme (speD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of speD 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 speD. It may not necessarily be applicable to this product.

NCBI GI #	446656941
NCBI Accession #	WP_000734287.1
UniProt Primary Accession #	B7NI80
GenBank Nucleotide #	WP_000734287.1
NCBI Official Full Name	MULTISPECIES: S-adenosylmethionine decarboxylase proenzyme
UniProt Protein Name	S-adenosylmethionine decarboxylase proenzyme
Protein Family	S-adenosylmethionine decarboxylase proenzyme

UniProt Gene Name	speD
UniProt Synonym Gene Names	AdoMetDC; SAMDC
UniProt Comments for speD	Catalyzes the decarboxylation of S-adenosylmethionine to S-adenosylmethioninamine (dcAdoMet), the propylamine donor required for the synthesis of the polyamines spermine and spermidine from the diamine putrescine.
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