# S-Adenosylmethionine Decarboxylase Proenzyme (speD) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | S-adenosylmethionine decarboxylase proenzyme (speD), Recombinant Protein |
| **Full Product Name** | Recombinant Buchnera aphidicola subsp. Schizaphis graminum S-adenosylmethionine decarboxylase proenzyme (speD) |
| **Product Gene Name** | speD recombinant protein |
| **Product Synonym Gene Name** | speD |
| **Sequence** | MQKLKLYGFN NLTKSLSFCI YDICYANTND SRNSYISYID EQYNAIRLTK ILKKTCSIIG ANVLNVFHQD YEPQGASVTI LVCEEPINLE KVNIVNKSNK IISSSVLAHL DK |
| **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** | 31,252 Da |
| **Sequence Positions** | 1-112, 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 Q8K9T6 |
| **Species** | Buchnera aphidicola subsp. Schizaphis graminum (strain Sg) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for speD recombinant protein** | MBS1309865 is a recombinant protein targeting speD. Also known as Recombinant Buchnera aphidicola subsp. Schizaphis graminum 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.

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| **NCBI GI #** | 499366155 |
| **NCBI Accession #** | WP_011053733.1 |
| **UniProt Primary Accession #** | Q8K9T6 |
| **GenBank Nucleotide #** | WP_011053733.1 |
| **NCBI Official Full Name** | S-adenosylmethionine decarboxylase proenzyme |

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| **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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