Adenosylmethionine-8-Amino-7-Oxononanoate Aminotransferase (bioA) Serratia Marcescens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (bioA), Recombinant Protein
Full Product Name	Recombinant Serratia marcescens Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (bioA)
Product Gene Name	bioA recombinant protein
Sequence	MSVTASDLAF DQRHIWHPYT SMSRPLPCYP IESASGVELQ LADGRSLVDG MSSWWAAIHG YNHPRLNQAA SQQLEKMSHV MFGGITHPAA ISLCRRLVEM TPEALQCVFL ADSGSVAVEV SLKMALQYWQ ARGERRQRIL TLRHGYHGDT FGAMSVCDPD NSMHSLYQGY LAPHLFATAP QCRFDEEWRE EDIAPFAALL EQHAGEVAAV ILEPVVQGAG GMRIYHPTYL KRVRDVVRVA IKLLLIADEI ATGFGRTGKL FACEHAQVVP DILCLGKALT GGYMTLSATL TTRHVAETIS NGAAGCFMHG PTFMGNPLAC AVADASLALL AENRWQAQVS AIETQLKREL LPLGRCRRWP HVRVLGAIGV VEMREPVDVA ELQRGFVERG VWIRPFGKLI YLMPPYIIEA EQLSRLTAAV ADAAR
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	46,867 Da
Sequence Positions	1-425, 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 P36568
Species	Serratia marcescens
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bioA recombinant protein	MBS1122290 is a recombinant protein targeting bioA. Also known as Recombinant Serratia marcescens Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (bioA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bioA 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 bioA. It may not necessarily be applicable to this product.

NCBI GI #	543888
NCBI Accession #	P36568.1
UniProt Primary Accession #	P36568

NCBI Official Full Name	Adenosylmethionine-8-amino-7-oxononanoate aminotransferase
UniProt Protein Name	Adenosylmethionine-8-amino-7-oxononanoate aminotransferase
UniProt Synonym Protein Names	7,8-diamino-pelargonic acid aminotransferase
Protein Family	Adenosylmethionine-8-amino-7-oxononanoate aminotransferase
UniProt Gene Name	bioA
UniProt Synonym Gene Names	DAPA AT; DAPA aminotransferase; DANS
UniProt Comments for bioA	Catalyzes the transfer of the alpha-amino group from S-adenosyl-L-methionine (SAM) to 7-keto-8-aminopelargonic acid (KAPA) to form 7,8-diaminopelargonic acid (DAPA). It is the only animotransferase known to utilize SAM as an amino donor.
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