Biosynthetic Arginine Decarboxylase (Spea), Partial (speA) Marinobacter Aquaeolei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Biosynthetic arginine decarboxylase (speA), partial, Recombinant Protein
Full Product Name	Recombinant Marinobacter aquaeolei Biosynthetic arginine decarboxylase (speA), partial
Product Gene Name	speA recombinant protein
Product Synonym Gene Name	speA; Maqu_0520
Product Synonym Names	Biosynthetic arginine decarboxylase; ADC; EC=4.1.1.19
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	70,502 Da
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 A1TY02
Species	Marinobacter aquaeolei (strain 700491 / DSM 11845 / VT8) (Marinobacter hydrocarbonoclasticus (strain DSM 11845))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for speA recombinant protein	MBS1256829 is a recombinant protein targeting speA. Also known as Recombinant Marinobacter aquaeolei Biosynthetic arginine decarboxylase (speA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of speA 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 speA. It may not necessarily be applicable to this product.

NCBI GI #	120553457
NCBI GeneID	4656218
NCBI Accession #	YP_957808.1
UniProt Primary Accession #	A1TY02
UniProt Related Accession #	A1TY02
GenBank Nucleotide #	NC_008740.1
NCBI Official Full Name	arginine decarboxylase

NCBI Official Symbol	Maqu_0520
UniProt Protein Name	Biosynthetic arginine decarboxylase
Protein Family	Arginine decarboxylase
UniProt Gene Name	speA
UniProt Synonym Gene Names	ADC
UniProt Entry Name	SPEA_MARAV
NCBI Protein Information	arginine decarboxylase
UniProt Comments for speA	Catalyzes the biosynthesis of agmatine from arginine.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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