Arginine Deiminase (arcA) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Arginine deiminase (arcA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Arginine deiminase (arcA)
Product Gene Name	arcA recombinant protein
Sequence	MTDGPIKVNS EIGALKTVLL KRPGKELENL VPDYLDGLLF DDIPYLEVAQ KEHDHFAQVL REEGVEVLYL EKLAAESIEN PQVRSEFIDD VLAESKKTIL GHEEEIKTLF ATLSNQELVD KIMSGVRKEE INPKCTHLVE YMDDKYPFYL DPMPNLYFTR DPQASIGHGI TINRMFWRAR RRESIFIQYI VKHHPRFKDA NIPIWLDRDC PFNIEGGDEL VLSKDVLAIG VSERTSAQAI EKLARRIFEN PQATFKKVVA IEIPTSRTFM HLDTVFTMID YDKFTMHSAI LKAEGNMNIF IIEYDDVNKD IAIKQSSHLK DTLEDVLGID DIQFIPTGNG DVIDGAREQW NDGSNTLCIR PGVVVTYDRN YVSNDLLRQK GIKVIEISGS ELVRGRGGPR CMSQPLFRED I
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	46,945 Da
Sequence Positions	1-411, 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 A5IW62
Species	Staphylococcus aureus (strain JH9)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arcA recombinant protein	MBS1151661 is a recombinant protein targeting arcA. Also known as Recombinant Staphylococcus aureus Arginine deiminase (arcA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arcA 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 arcA. It may not necessarily be applicable to this product.

NCBI GI #	446051562
NCBI Accession #	WP_000129417.1
UniProt Primary Accession #	A5IW62
GenBank Nucleotide #	WP_000129417.1
NCBI Official Full Name	MULTISPECIES: arginine deiminase

UniProt Protein Name	Arginine deiminase
UniProt Synonym Protein Names	Arginine dihydrolase
Protein Family	Aerobic respiration control protein
UniProt Gene Name	arcA
UniProt Synonym Gene Names	ADI; AD
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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