Arginine Deiminase (arcA) Streptococcus Agalactiae Serotype V Recombinant Protein

PRODUCT OVERVIEW

Product Name	Arginine deiminase (arcA), Recombinant Protein
Full Product Name	Recombinant Streptococcus agalactiae serotype V Arginine deiminase (arcA)
Product Gene Name	arcA recombinant protein
Product Synonym Gene Name	arcA
Sequence	MTQTHPIHVF SEIGKLKKVM LHRPGKEIEN LMPDYLERLL FDDIPFLEDA QKEHDAFAQA LRNEGVEVLY LENLAAESLT NQEIREQFID EYIGEANVRG RATKKAIREL LLNIKDNKEL IEKTMAGIQK SELPEIPSSE KGLTDLVESN YPFAIDPMPN LYFTRDPFAT IGNGVSLNHM FSETRNRETL YGKYIFTHHP EYGGKVPMVY EREETTRIEG GDELVLSKDV LAVGISQRTD AASIEKLLVN IFKQNLGFKK VLAFEFANNR KFMHLDTVFT MVDYDKFTIH PEIEGDLRVY SVTYENQDLH IEEEKGDLAD LLAKNLGVEK VELIRCGGDN LVAAGREQWN DGSNTLTIAP GVVIVYNRNT ITNAILESKG LKLIKINGSE LVRGRGGPRC MSMPFEREDL
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	46,554 Da
Sequence Positions	1-410, 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 Q8DWQ2
Species	Streptococcus agalactiae serotype V
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arcA recombinant protein	MBS1442319 is a recombinant protein targeting arcA. Also known as Recombinant Streptococcus agalactiae serotype V 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 #	22538297
NCBI GeneID	1014974
NCBI Accession #	NP_689148.1
UniProt Primary Accession #	Q8DWQ2

UniProt Related Accession #	Q8DWQ2
GenBank Nucleotide #	NC_004116.1
NCBI Official Full Name	arginine deiminase
NCBI Official Symbol	arcA
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
NCBI Protein Information	arginine deiminase
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