Arginine/Agmatine Antiporter (adiC) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Arginine/agmatine antiporter (adiC), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Arginine/agmatine antiporter (adiC), partial
Product Gene Name	adiC recombinant protein
Sequence	MSSDADAHKV GLIPVTLMVS GNIMGSGVFL LPANLAATGG IAIYGWLVTI IGALALSMVY AKMSSLDPSP GGSYAYARRC FGPFLGYQTN VLYWLACWIG NIAMVVIGVG YLSYFFPILK DPLVLTLTCV AVLWIFVLLN IVGPKMITRV QAVATVLALV PIVGIAVFGW FWFKGETYMA AWNVSGMNTF GAIQSTLNVT LWSFIGVESA SVAAGVVKNP KRNVPIATIG GVLIAAVCYV LSTTAIMGMI PNAALRVSAS PFGDAARMAL GDTAGAIVSF CAAAGCLGSL GGWTLLAGQT AKAAADDGLF PPIFARVNKA GTPVAGLLIV GVLMTIFQFS SMSPNAAKEF GLVSSVSVIF TLVPYLYTCA ALLLLGHGHF GKARPLYLLI TFVAFVYCIW AVIGSGAKEV MWSFVTLMVI TALYALNYNR IHKNPYPLDA PVKQD
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	46,933 Da
Sequence Positions	1-445
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 P60066
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for adiC recombinant protein	MBS1256882 is a recombinant protein targeting adiC. Also known as Recombinant Salmonella typhimurium Arginine/agmatine antiporter (adiC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of adiC 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 adiC. It may not necessarily be applicable to this product.

NCBI GI #	16767544
NCBI GeneID	1255820
NCBI Accession #	NP_463159.1
UniProt Primary Accession #	P60066
UniProt Secondary Accession #	Q8XFJ0

UniProt Related Accession #	P60066
GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	arginine:agmatine antiporter
NCBI Official Symbol	yjdE
UniProt Protein Name	Arginine/agmatine antiporter
UniProt Gene Name	adiC
UniProt Synonym Gene Names	aniC
NCBI Protein Information	arginine:agmatine antiporter
UniProt Comments for adiC	Major component of the acid-resistance (AR) system allowing enteric pathogens to survive the acidic environment in the stomach. Exchanges extracellular arginine for its intracellular decarboxylation product agmatine (Agm) thereby expelling intracellular protons.
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