Ornithine Carbamoyltransferase (arcB) Streptococcus Pyogenes Serotype M49 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ornithine carbamoyltransferase (arcB), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M49 Ornithine carbamoyltransferase (arcB)
Product Gene Name	arcB recombinant protein
Sequence	MTQVFQGRSF LAEKDFTRAE LEYLIDFSAH LKDLKKRGVP HHYLEGKNIA LLFEKTSTRT RAAFTTAAID LGAHPEYLGA NDIQLGKKES TEDTAKVLGR MFDGIEFRGF SQRMVEELAE FSGVPVWNGL TDEWHPTQML ADYLTVKENF GKLEGLTLVY CGDGRNNVAN SLLVTGAILG VNVHIFSPKE LFPEEEIVTL AEGYAKESGA RILITEDADE AVKGADVLYT DVWVSMGEED KFKERVELLQ PYQVNMDLVQ KAGNDKLIFL HCLPAFHDTN TVYGKDVAEK FGVKEMEVTD EVFRSKYARH FDQAENRMHT IKAVMAATLG NLFIPKV
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	37,897 Da
Sequence Positions	1-337, 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 B5XMC1
Species	Streptococcus pyogenes serotype M49 (strain NZ131)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for arcB recombinant protein	MBS1224245 is a recombinant protein targeting arcB. Also known as Recombinant Streptococcus pyogenes serotype M49 Ornithine carbamoyltransferase (arcB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of arcB 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 arcB. It may not necessarily be applicable to this product.

NCBI GI #	489073853
NCBI Accession #	WP_002983808.1
UniProt Primary Accession #	B5XMC1
GenBank Nucleotide #	WP_002983808.1
NCBI Official Full Name	ornithine carbamoyltransferase

UniProt Protein Name	Ornithine carbamoyltransferase
Protein Family	Actin-related protein 2/3 complex
UniProt Gene Name	arcB
UniProt Synonym Gene Names	OTCase
UniProt Comments for arcB	Reversibly catalyzes the transfer of the carbamoyl group from carbamoyl phosphate (CP) to the N(epsilon) atom of ornithine (ORN) to produce L-citrulline.
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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