Putrescine Carbamoyltransferase (ptcA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putrescine carbamoyltransferase (ptcA), Recombinant Protein
Full Product Name	Recombinant Mycoplasma mycoides subsp. mycoides SC Putrescine carbamoyltransferase (ptcA)
Product Gene Name	ptcA recombinant protein
Product Synonym Gene Name	ptcA
Sequence	MNKVRHFIDT QDLSKKEIFE IFRLMKMLKE ARYCGAVPEL LKNKTLAMIF EEPSTRTRVS FEAAMTLLGG HAQYLKPGEL HLGVRESLYD TTKVLSHMCD GIMCRALKNE TVLNLAKYAD VPVLNGLTDY NHPTQAICDV FTMLEYMPAT KNLEYEDIKF EDIKVVFIGD RTNVCSSTMH ITTKLGMNFV HISPKRYQSP QEWIDIANEN IKQANSGSVL VTDDLEQVRG ADIVYTDLWW WVDQEDEAEE RVKAFKPTYQ VTPELMEKAG KQALFMHCLP ASRNVEVYDE VIDSDQSIAF EQAENRLTAQ MGLLVYYLYP QIDKSSNAVK DYYRGKVEAF MEHQDRSWKQ RYTYNNDYAE TKNKK
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	42,280 Da
Sequence Positions	1-365, 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 Q6MSR6
Species	Mycoplasma mycoides subsp. mycoides SC (strain PG1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ptcA recombinant protein	MBS1346196 is a recombinant protein targeting ptcA. Also known as Recombinant Mycoplasma mycoides subsp. mycoides SC Putrescine carbamoyltransferase (ptcA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ptcA 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 ptcA. It may not necessarily be applicable to this product.

NCBI GI #	42561229
NCBI GeneID	2744324
NCBI Accession #	NP_975680.1
UniProt Primary Accession #	Q6MSR6

UniProt Related Accession #	Q6MSR6
GenBank Nucleotide #	NC_005364.2
NCBI Official Full Name	putrescine carbamoyltransferase
NCBI Official Symbol	arcB
UniProt Protein Name	Putrescine carbamoyltransferase
UniProt Synonym Protein Names	Putrescine transcarbamoylase
Protein Family	Putrescine carbamoyltransferase
UniProt Gene Name	ptcA
UniProt Synonym Gene Names	PTC; PTCase
NCBI Protein Information	putrescine carbamoyltransferase
UniProt Comments for ptcA	Catalyzes the phosphorolysis of N-carbamoylputrescine to form carbamoyl phosphate and putrescine. Is involved in the degradation pathway of the polyamine agmatine.
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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