Aspartate Carbamoyltransferase (pyrB) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aspartate carbamoyltransferase (pyrB), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Aspartate carbamoyltransferase (pyrB)
Product Gene Name	pyrB recombinant protein
Sequence	MNHLLSMEHL STDQIYKLIQ KASQFKSGER QLPNFEGKYV ANLFFENSTR TKCSFEMAEL KLGLKTISFE TSTSSVSKGE SLYDTCKTLE SIGCDLLVIR HPFNNYYEKL ANINIPIANA GDGSGQHPTQ SLLDLMTIYE EYGYFEGLNV LICGDIKNSR VARSNYHSLK ALGANVMFNS PNAWIDDSLE APYVNIDDVI ETVDIVMLLR IQHERHGLAE ETRFAADDYH QKHGLNEVRY NKLQEHAIVM HPAPVNRGVE IQSDLVEASK SRIFKQMENG VYLRMAVIDE LLK
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	33,258 Da
Sequence Positions	1-293, 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 A8Z3N7
Species	Staphylococcus aureus (strain USA300 / TCH1516)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrB recombinant protein	MBS1217769 is a recombinant protein targeting pyrB. Also known as Recombinant Staphylococcus aureus Aspartate carbamoyltransferase (pyrB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrB 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 pyrB. It may not necessarily be applicable to this product.

NCBI GI #	446938910
NCBI Accession #	WP_001016166.1
UniProt Primary Accession #	A8Z3N7
GenBank Nucleotide #	WP_001016166.1
NCBI Official Full Name	MULTISPECIES: aspartate carbamoyltransferase
UniProt Protein Name	Aspartate carbamoyltransferase

UniProt Synonym Protein Names	Aspartate transcarbamylase
Protein Family	Aspartate carbamoyltransferase
UniProt Gene Name	pyrB
UniProt Synonym Gene Names	ATCase
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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