Aspartate Carbamoyltransferase (pyrB) Rhodococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aspartate carbamoyltransferase (pyrB), Recombinant Protein
Full Product Name	Recombinant Rhodococcus sp. Aspartate carbamoyltransferase (pyrB)
Product Gene Name	pyrB recombinant protein
Product Synonym Gene Name	pyrB
Sequence	MKHLLSIADL TRESAVELLD EAERFEQALL GREVRKLPTL RGRTVMTVFF ENSTRTRVSF EVAGKWMSAD VINVSASSSS VSKGESLRDT AMTLRAAGAD ALIVRHPASG AAHQIAKWTG HQDDGGPAVI NAGDGTHEHP TQALLDALTL RQRLGDIEGK RIAIVGDILH SRVARSNALL LSMLGAEVVL VAPPTLLPVG VSAWPVSVAH SLDAELPGLD AVLMLRVQAE RMNGGFFPSQ REYSINYGLS EKRLALLPDH AVVLHPGPML RGMEIASAVA DSTRTAVLQQ VTNGVHMRMA VLFRLLVGAE EVAG
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	33,675 Da
Sequence Positions	1-314, 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 Q0S0M4
Species	Rhodococcus sp. (strain RHA1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrB recombinant protein	MBS1317671 is a recombinant protein targeting pyrB. Also known as Recombinant Rhodococcus sp. 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 #	497125646
NCBI GeneID	4224698
NCBI Accession #	WP_009480420.1
UniProt Primary Accession #	Q0S0M4
UniProt Related Accession #	Q0S0M4

GenBank Nucleotide #	WP_009480420.1
NCBI Official Full Name	MULTISPECIES: aspartate carbamoyltransferase
NCBI Official Symbol	RHA1_RS34880
UniProt Protein Name	Aspartate carbamoyltransferase
UniProt Synonym Protein Names	Aspartate transcarbamylase
Protein Family	Aspartate carbamoyltransferase
UniProt Gene Name	pyrB
UniProt Synonym Gene Names	ATCase
NCBI Protein Information	aspartate carbamoyltransferase
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