N5-Carboxyaminoimidazole Ribonucleotide Mutase (purE) Vibrio Fischeri Recombinant Protein

PRODUCT OVERVIEW

Product Name	N5-carboxyaminoimidazole ribonucleotide mutase (purE), Recombinant Protein
Full Product Name	Recombinant Vibrio fischeri N5-carboxyaminoimidazole ribonucleotide mutase (purE)
Product Gene Name	purE recombinant protein
Product Synonym Gene Name	purE
Sequence	MKVGIIMGSK SDWPTMKLAA EMLDRFNVPY ETKVVSAHRT PQLLADYATQ AKDRGIKVII AGAGGAAHLP GMAAAFTSVP VLGVPVQSRA LKGMDSLLSI VQMPKGIAVG TLAIGEAGAA NAGILAAQII GTSNEEVMAA VEAFRKEQTE MVLENPDPSE D
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	16,773 Da
Sequence Positions	1-161, 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 Q5E1R4
Species	Vibrio fischeri (strain 700601 / ES114)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purE recombinant protein	MBS1354329 is a recombinant protein targeting purE. Also known as Recombinant Vibrio fischeri N5-carboxyaminoimidazole ribonucleotide mutase (purE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purE 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 purE. It may not necessarily be applicable to this product.

NCBI GI #	491563930
NCBI GeneID	3279682
NCBI Accession #	WP_005421516.1
UniProt Primary Accession #	Q5E1R4
UniProt Related Accession #	Q5E1R4

GenBank Nucleotide #	WP_005421516.1
NCBI Official Full Name	5-(carboxyamino)imidazole ribonucleotide mutase
NCBI Official Symbol	purE
UniProt Protein Name	N5-carboxyaminoimidazole ribonucleotide mutase
UniProt Synonym Protein Names	5-(carboxyamino)imidazole ribonucleotide mutase
Protein Family	N5-carboxyaminoimidazole ribonucleotide mutase
UniProt Gene Name	purE
UniProt Synonym Gene Names	N5-CAIR mutase
NCBI Protein Information	5-(carboxyamino)imidazole ribonucleotide mutase
UniProt Comments for purE	Catalyzes the conversion of N5-carboxyaminoimidazole ribonucleotide (N5-CAIR) to 4-carboxy-5-aminoimidazole ribonucleotide (CAIR).
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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