1-Pyrroline-5-Carboxylate Dehydrogenase (rocA) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	1-pyrroline-5-carboxylate dehydrogenase (rocA), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus 1-pyrroline-5-carboxylate dehydrogenase (rocA), partial
Product Gene Name	rocA recombinant protein
Product Synonym Gene Name	rocA
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	56,225 Da
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 Q81IP0
Species	Bacillus cereus (strain 14579 / DSM 31)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rocA recombinant protein	MBS1331309 is a recombinant protein targeting rocA. Also known as Recombinant Bacillus cereus 1-pyrroline-5-carboxylate dehydrogenase (rocA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rocA 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 rocA. It may not necessarily be applicable to this product.

NCBI GI #	30018552
NCBI GeneID	1202697
NCBI Accession #	NP_830183.1
UniProt Primary Accession #	Q81IP0
UniProt Related Accession #	Q81IP0
GenBank Nucleotide #	NC_004722.1
NCBI Official Full Name	1-pyrroline-5-carboxylate dehydrogenase
NCBI Official Symbol	BC0344
UniProt Protein Name	1-pyrroline-5-carboxylate dehydrogenase

UniProt Synonym Protein Names	L-glutamate gamma-semialdehyde dehydrogenase
Protein Family	1-pyrroline-5-carboxylate dehydrogenase
UniProt Gene Name	rocA
UniProt Synonym Gene Names	P5C dehydrogenase
NCBI Protein Information	1-pyrroline-5-carboxylate dehydrogenase
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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