Electron Transport Complex Protein Rnfa (rnfA) Klebsiella Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Electron transport complex protein RnfA (rnfA), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae Electron transport complex protein RnfA (rnfA)
Product Gene Name	rnfA recombinant protein
Product Synonym Gene Name	rnfA
Product Synonym Names	Recombinant Electron transport complex protein RnfA (rnfA); Electron transport complex protein RnfA; Nitrogen fixation protein RnfA
Sequence	MADYLLLFIG TVLVNNFVLV KFLGLCPFMG VSKKLETAMG MGLATTFVMT LASICAWLID TWILIPLNLV YLRTLAFILV IAVVVQFTEM VVRKTSPALY RLLGIFLPLI TTNCAVLGVA LLNINLGHNF LQSALYGFAA AVGFSLVMVL FAAIRERLVV ADVPAPFRGN AIALITAGLM SLAFMGFSGL VKL
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	20,851 Da
Sequence Positions	1-193
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.
Chromosome Location	NC_011283.1 (2441160..2441741, complement)
3D Structure	ModBase 3D Structure for B5XWQ1
Species	Klebsiella pneumoniae (strain 342)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnfA recombinant protein	MBS1257601 is a recombinant protein targeting rnfA. Also known as Recombinant Klebsiella pneumoniae Electron transport complex protein RnfA (rnfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnfA 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 rnfA. It may not necessarily be applicable to this product.

NCBI GI #	206579745
NCBI GeneID	6936888
NCBI Accession #	YP_002238215.1

UniProt Primary Accession #	B5XWQ1
UniProt Related Accession #	B5XWQ1
GenBank Nucleotide #	NC_011283.1
NCBI Official Full Name	Na(+)-translocating NADH-quinone reductase subunit E
NCBI Official Symbol	rnfA
UniProt Protein Name	Electron transport complex protein RnfA
UniProt Synonym Protein Names	Nitrogen fixation protein RnfA
Protein Family	Electron transport complex
UniProt Gene Name	rnfA
UniProt Entry Name	RNFA_KLEP3
NCBI Protein Information	Na(+)-translocating NADH-quinone reductase subunit E
UniProt Comments for rnfA	Function: Required for nitrogen fixation. May be part of a membrane complex functioning as an intermediate in the electron transport to nitrogenase By similarity. HAMAP-Rule MF_00459 Subunit structure: Composed of at least six subunits; RnfA, RnfB, RnfC, RnfD, RnfE and RnfG By similarity. Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_00459. Sequence similarities: Belongs to the NqrDE/RnfAE family.
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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