Protein Cyay (cyaY) Yersinia Pestis Bv. Antiqua Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein CyaY (cyaY), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis bv. Antiqua Protein CyaY (cyaY)
Product Gene Name	cyaY recombinant protein
Product Synonym Gene Name	cyaY
Sequence	MNDSEFHQLA DQLMLYIEET LDSFTGDSDI DYETNGGVMT LTFENGSKIV INRQEPLHQV WLATKAGGYH FNYRDGHWYC SRSGEEFLAK LSEAASAQAG ENVSFG
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	11,904 Da
Sequence Positions	1-106, Full length
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 Q1CNI0
Species	Yersinia pestis bv. Antiqua (strain Nepal516)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cyaY recombinant protein	MBS1369440 is a recombinant protein targeting cyaY. Also known as Recombinant Yersinia pestis bv. Antiqua Protein CyaY (cyaY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cyaY 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 cyaY. It may not necessarily be applicable to this product.

NCBI GI #	488140261
NCBI Accession #	WP_002211469.1
UniProt Primary Accession #	Q1CNI0
UniProt Secondary Accession #	D1Q106
GenBank Nucleotide #	WP_002211469.1
NCBI Official Full Name	iron donor protein CyaY

UniProt Protein Name	Iron-sulfur cluster assembly protein CyaY
Protein Family	Protein
UniProt Gene Name	cyaY
UniProt Comments for cyaY	Involved in iron-sulfur (Fe-S) cluster assembly. May act as a regulator of Fe-S biogenesis.
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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