DNA-Directed RNA Polymerase Subunit Omega (rpoZ) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-directed RNA polymerase subunit omega (rpoZ), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus DNA-directed RNA polymerase subunit omega (rpoZ)
Product Gene Name	rpoZ recombinant protein
Product Synonym Gene Name	rpoZ
Sequence	MQKRLHYSSL EINRRAEELI QHSANRYRIT VQIANRAKQR RGLEASEDLD DLPLKPVIRA IIEMSDEVAQ PELLADS
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	8,911 Da
Sequence Positions	1-77, 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 Q8DGQ8
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpoZ recombinant protein	MBS1324741 is a recombinant protein targeting rpoZ. Also known as Recombinant Thermosynechococcus elongatus DNA-directed RNA polymerase subunit omega (rpoZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpoZ 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 rpoZ. It may not necessarily be applicable to this product.

NCBI GI #	22299800
NCBI GeneID	1010346
NCBI Accession #	NP_683047.1
UniProt Primary Accession #	Q8DGQ8
UniProt Related Accession #	Q8DGQ8

GenBank Nucleotide #	NC_004113.1
NCBI Official Full Name	DNA-directed RNA polymerase subunit omega
NCBI Official Symbol	ycf61
UniProt Protein Name	DNA-directed RNA polymerase subunit omega
UniProt Synonym Protein Names	RNA polymerase omega subunit
Protein Family	DNA-directed RNA polymerase
UniProt Gene Name	rpoZ
UniProt Synonym Gene Names	RNAP omega subunit
NCBI Protein Information	DNA-directed RNA polymerase subunit omega
UniProt Comments for rpoZ	Promotes RNA polymerase assembly. Latches the N- and C-terminal regions of the beta' subunit thereby facilitating its interaction with the beta and alpha subunits.
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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