DNA-Directed RNA Polymerase Subunit Alpha (rpoA) Porphyra Yezoensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-directed RNA polymerase subunit alpha (rpoA), Recombinant Protein
Full Product Name	Recombinant Porphyra yezoensis DNA-directed RNA polymerase subunit alpha (rpoA)
Product Gene Name	rpoA recombinant protein
Product Synonym Gene Name	rpoA
Sequence	MAQFQIECIE SRTDGARGQY GSFVIEPLNQ GQGITLGNAL RRSILSDLEG TAIVAVRIAG VNHEFSTIPG VREDVLEILL NLKEVVFKSY NKESQIGRIR VQGPAIVTAG LFELSSDIEV VDPRQYIATI CNNTIFEMEF KIEKNCGYRL AEKAVDELSV DFLQVDSVFM PVNKVNYKVE EVRIGSNSIK DRLIIQIWTN GSISPQEAIS QGATVLTNLF CSLRNLDFKS ADNYRSKEDK KISQVLIEEL QLSVRAYNCL KRAQIHSIAD LLDYSQEELL EIKNFGQKSA EEVIYALQKK LGISLPKEKS 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	34,887 Da
Sequence Positions	1-311, 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 Q1XDJ5
Species	Porphyra yezoensis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpoA recombinant protein	MBS1373485 is a recombinant protein targeting rpoA. Also known as Recombinant Porphyra yezoensis DNA-directed RNA polymerase subunit alpha (rpoA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpoA 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 rpoA. It may not necessarily be applicable to this product.

NCBI GI #	90994483
NCBI GeneID	3978928
NCBI Accession #	YP_536973.1
UniProt Primary Accession #	Q1XDJ5

UniProt Secondary Accession #	A0MM93
UniProt Related Accession #	Q1XDJ5
GenBank Nucleotide #	NC_007932.1
NCBI Official Full Name	RNA polymerase alpha subunit (chloroplast)
NCBI Official Symbol	rpoA
UniProt Protein Name	DNA-directed RNA polymerase subunit alpha
UniProt Synonym Protein Names	Plastid-encoded RNA polymerase subunit alpha
Protein Family	DNA-directed RNA polymerase
UniProt Gene Name	rpoA
UniProt Synonym Gene Names	PEP; RNA polymerase subunit alpha
NCBI Protein Information	DNA-directed RNA polymerase alpha chain
UniProt Comments for rpoA	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.
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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