DNA-Directed RNA Polymerase Subunit A'' (rpoA2) Thermococcus Gammatolerans Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-directed RNA polymerase subunit A''(rpoA2), Recombinant Protein
Full Product Name	Recombinant Thermococcus gammatolerans DNA-directed RNA polymerase subunit A''(rpoA2)
Product Gene Name	rpoA2 recombinant protein
Sequence	MVAAKTIKTL VWKSELPDNI KEELYNKLIE YNKKYKLKKA EVEAIIEDAV NEYRKALVEP GEPIGTVAAQ SIGEPSTQMT LNTFHYAGVA EINVTLGLPR IIEIVDARKN PSTPVMTVFL DEEHRYDLEK AREVARRIEG TTIENLAREM SIDILNFEFI VEIDPERLEK SGLDMERILK KLSGSFKSAE FEAEGYSLIV RPKKVTKLSD LRKLAEKVKK HRLKGLSGVG KTIIRKEGDE YVIYTEGSNF KQVLKVPGVD PTRTRTNNIW EIADVLGIEA ARNAIIEEIV NTMREQGLEV DIRHIMLVAD MMTLDGVIRP IGRHGIVGEK SSVLARAAFE ITTQHLFEAA ERGEVDPLNG VVENVLIGQP VPVGTGIVKL TMNLPLRPQR E
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	43,874 Da
Sequence Positions	1-391, 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 C5A207
Species	Thermococcus gammatolerans (strain DSM 15229 / JCM 11827 / EJ3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpoA2 recombinant protein	MBS1210004 is a recombinant protein targeting rpoA2. Also known as Recombinant Thermococcus gammatolerans DNA-directed RNA polymerase subunit A''(rpoA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpoA2 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 rpoA2. It may not necessarily be applicable to this product.

NCBI GI #	506339813
NCBI GeneID	7988328
NCBI Accession #	WP_015859532.1
UniProt Primary Accession #	C5A207

UniProt Related Accession #	C5A207
GenBank Nucleotide #	WP_015859532.1
NCBI Official Full Name	DNA-directed RNA polymerase subunit A"
NCBI Official Symbol	rpoA2
UniProt Protein Name	DNA-directed RNA polymerase subunit A"
Protein Family	DNA-directed RNA polymerase
UniProt Gene Name	rpoA2
NCBI Protein Information	DNA-directed RNA polymerase subunit A"
UniProt Comments for rpoA2	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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