RNA Polymerase-Associated Protein Rapa (rapA) Escherichia Coli O45:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA polymerase-associated protein RapA (rapA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O45:K1 RNA polymerase-associated protein RapA (rapA), partial
Product Gene Name	rapA recombinant protein
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	109,769 Da
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 B7MAI2
Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rapA recombinant protein	MBS1224154 is a recombinant protein targeting rapA. Also known as Recombinant Escherichia coli O45:K1 RNA polymerase-associated protein RapA (rapA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rapA 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 rapA. It may not necessarily be applicable to this product.

NCBI GI #	447039755
NCBI Accession #	WP_001117011.1
UniProt Primary Accession #	B7MAI2
GenBank Nucleotide #	WP_001117011.1
NCBI Official Full Name	MULTISPECIES: RNA polymerase-associated protein RapA
UniProt Protein Name	RNA polymerase-associated protein RapA
UniProt Synonym Protein Names	ATP-dependent helicase HepA
Protein Family	Ras-related protein
UniProt Gene Name	rapA

UniProt Comments for rapA	Transcription regulator that activates transcription by stimulating RNA polymerase (RNAP) recycling in case of stress conditions such as supercoiled DNA or high salt concentrations. Probably acts by releasing the RNAP, when it is trapped or immobilized on tightly supercoiled DNA. Does not activate transcription on linear DNA. Probably not involved in DNA repair.
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