RNA Polymerase Sigma Factor Rpod (rpoD) Streptococcus Mutans Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA polymerase sigma factor rpoD (rpoD), Recombinant Protein
Full Product Name	Recombinant Streptococcus mutans RNA polymerase sigma factor rpoD (rpoD)
Product Gene Name	rpoD recombinant protein
Sequence	MVNNKKKTSS TFNVQVADFI RNHKKEGVAV DDEVTEKLVI PFELEAEQID DLLERLTDGG ISITDREGNP STKYAVEEIK PEELTDEELL GSNSAKVNDP VRMYLKEIGV VPLLTNEEEK ELAIAVENGD LEAKQRLAEA NLRLVVSIAK RYVGRGMQFL DLIQEGNMGL MKAVDKFDYS KGFKFSTYAT WWIRQAITRA IADQARTIRI PVHMVETINK LVREQRNLLQ ELGQDPTPEQ IAERMDMTPD KVREILKIAQ EPVSLETPIG EEDDSHLGDF IEDEVIENPV DYTTRVVLRE QLDEVLDTLT DREENVLRLR FGLDDGKMRT LEDVGKVFDV TRERIRQIEA KALRKLRHPS RSKQLRDFVE 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	42,547 Da
Sequence Positions	1-371, 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 O33662
Species	Streptococcus mutans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpoD recombinant protein	MBS1125094 is a recombinant protein targeting rpoD. Also known as Recombinant Streptococcus mutans RNA polymerase sigma factor rpoD (rpoD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpoD 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 rpoD. It may not necessarily be applicable to this product.

NCBI GI #	24379277
NCBI GeneID	1028204
NCBI Accession #	NP_721232.1
UniProt Primary Accession #	O33662
UniProt Related Accession #	O33662

GenBank Nucleotide #	NC_004350.2
NCBI Official Full Name	RNA polymerase sigma factor RpoD
NCBI Official Symbol	rpoD
UniProt Protein Name	RNA polymerase sigma factor SigA
UniProt Synonym Protein Names	Sigma-42
Protein Family	DNA-directed RNA polymerase
UniProt Gene Name	sigA
NCBI Protein Information	RNA polymerase sigma factor RpoD
UniProt Comments for rpoD	Sigma factors are initiation factors that promote the attachment of RNA polymerase to specific initiation sites and are then released. This sigma factor is the primary sigma factor during exponential growth.
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