# DNA-Directed RNA Polymerase Subunit Alpha (rpoA) Enterococcus Faecalis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | DNA-directed RNA polymerase subunit alpha (rpoA), Recombinant Protein |
| **Full Product Name** | Recombinant Enterococcus faecalis DNA-directed RNA polymerase subunit alpha (rpoA) |
| **Product Gene Name** | rpoA recombinant protein |
| **Product Synonym Gene Name** | rpoA |
| **Sequence** | MIEFEKPRIE KIDENRDYGK FVVEPLERGY GTTLGNSLRR ILLSSLPGAA ITNIQIDGVL HEFSTIPGVR EDVTQIILNI KGLALKLYAE EEKTLEIDIT GPATVTAGDI IVDSDVEILN KDLVICSVAE GATFHARLTV KPGRGYVQAD ENKKEDMPIG VLPVDSIYTP VLRVNYQVEN TRVGRRDDFD KLTMEIWTDG SIIPQEALSL AAKIMTEHLD IFVNLTDEAK NAEIMVEKEE TQKEKMLEMT IEELDLSVRS YNCLKRAGIN TVQELTNKSE PEMIKVRNLG RKSLEEVKLK LHDLGLGLRK DD |
| **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** | 35,050 Da |
| **Sequence Positions** | 1-312, 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 Q839D9 |
| **Species** | Enterococcus faecalis (strain 700802 / V583) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rpoA recombinant protein** | MBS1359088 is a recombinant protein targeting rpoA. Also known as Recombinant Enterococcus faecalis 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.

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| **NCBI GI #** | 29374877 |
| **NCBI GeneID** | 1199127 |
| **NCBI Accession #** | NP_814030.1 |
| **UniProt Primary Accession #** | Q839D9 |

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| **UniProt Related Accession #** | Q839D9 |
| **GenBank Nucleotide #** | NC_004668.1 |
| **NCBI Official Full Name** | DNA-directed RNA polymerase subunit alpha |
| **NCBI Official Symbol** | rpoA |
| **UniProt Protein Name** | DNA-directed RNA polymerase subunit alpha |
| **UniProt Synonym Protein Names** | RNA polymerase subunit alpha |
| **Protein Family** | DNA-directed RNA polymerase |
| **UniProt Gene Name** | rpoA |
| **UniProt Synonym Gene Names** | RNAP subunit alpha |
| **NCBI Protein Information** | DNA-directed RNA polymerase subunit alpha |
| **UniProt Comments for rpoA** | DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. |
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