# RNA Polymerase-Associated Protein Rapa (rapA) Shewanella Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | RNA polymerase-associated protein RapA (rapA), Recombinant Protein |
| **Full Product Name** | Recombinant Shewanella sp. RNA polymerase-associated protein RapA (rapA), partial |
| **Product Gene Name** | rapA recombinant protein |
| **Product Synonym Gene Name** | rapA |
| **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** | 109,012 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 Q0HMR2 |
| **Species** | Shewanella sp. (strain MR-4) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rapA recombinant protein** | MBS1349238 is a recombinant protein targeting rapA. Also known as Recombinant Shewanella sp. 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.

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| **NCBI GI #** | 499940643 |
| **NCBI Accession #** | WP_011621377.1 |
| **UniProt Primary Accession #** | Q0HMR2 |
| **GenBank Nucleotide #** | WP_011621377.1 |
| **NCBI Official Full Name** | 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 |

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| **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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