# ATP-Dependent Helicase/Nuclease Subunit A (addA) Enterococcus Faecalis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP-dependent helicase/nuclease subunit A (addA), Recombinant Protein |
| **Full Product Name** | Recombinant Enterococcus faecalis ATP-dependent helicase/nuclease subunit A (addA), partial |
| **Product Gene Name** | addA recombinant protein |
| **Product Synonym Gene Name** | addA |
| **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** | 146,451 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 Q836J8 |
| **Species** | Enterococcus faecalis (strain 700802 / V583) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for addA recombinant protein** | MBS1318484 is a recombinant protein targeting addA. Also known as Recombinant Enterococcus faecalis ATP-dependent helicase/nuclease subunit A (addA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of addA 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 addA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 29375689 |
| **NCBI GeneID** | 1200015 |
| **NCBI Accession #** | NP_814843.1 |
| **UniProt Primary Accession #** | Q836J8 |
| **UniProt Related Accession #** | Q836J8 |
| **GenBank Nucleotide #** | NC_004668.1 |
| **NCBI Official Full Name** | exonuclease RexA |
| **NCBI Official Symbol** | rexA |

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| **UniProt Protein Name** | ATP-dependent helicase/nuclease subunit A |
| **UniProt Synonym Protein Names** | ATP-dependent helicase/nuclease AddA |
| **Protein Family** | ATP-dependent helicase/nuclease |
| **UniProt Gene Name** | addA |
| **NCBI Protein Information** | exonuclease RexA |
| **UniProt Comments for addA** | The heterodimer acts as both an ATP-dependent DNA helicase and an ATP-dependent, dual-direction single-stranded exonuclease. Recognizes the chi site generating a DNA molecule suitable for the initiation of homologous recombination. The AddA nuclease domain is required for chi fragment generation; this subunit has the helicase and 3' -> 5' nuclease activities. |
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