# Replication Protein 1a (ORF1a) Cucumber Mosaic Virus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Replication protein 1a (ORF1a), Recombinant Protein |
| **Full Product Name** | Recombinant Cucumber mosaic virus Replication protein 1a (ORF1a), partial |
| **Product Gene Name** | ORF1a 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** | 111,465 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 O40976 |
| **Species** | Cucumber mosaic virus (strain NT9) (CMV) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ORF1a recombinant protein** | MBS1217811 is a recombinant protein targeting ORF1a. Also known as Recombinant Cucumber mosaic virus Replication protein 1a (ORF1a), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ORF1a 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 ORF1a. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 3915226 |
| **NCBI Accession #** | O40976.1 |
| **UniProt Primary Accession #** | O40976 |
| **NCBI Official Full Name** | Replication protein 1a |
| **UniProt Protein Name** | Replication protein 1a |
| **Protein Family** | Replicase polyprotein |
| **UniProt Gene Name** | ORF1a |
| **UniProt Comments for ORF1a** | Involved in the virus replication. Contains a helicase domain and a methyltransferase domain. The methyltransferase domain is probably involved in viral RNA capping. Involved in the formation of ER membrane spherular invaginations in which RNA replication complexes form (). |

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