# Ribonucleoside-Diphosphate Reductase Large Subunit (ORF19) Varicella-Zoster Virus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ribonucleoside-diphosphate reductase large subunit (ORF19), Recombinant Protein |
| **Full Product Name** | Recombinant Varicella-zoster virus Ribonucleoside-diphosphate reductase large subunit (ORF19), partial |
| **Product Gene Name** | ORF19 recombinant protein |
| **Product Synonym Gene Name** | ORF19 |
| **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** | 86,828 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 Q4JQV6 |
| **Species** | Varicella-zoster virus (strain Oka vaccine) (HHV-3) (Human herpesvirus 3) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ORF19 recombinant protein** | MBS1408901 is a recombinant protein targeting ORF19. Also known as Recombinant Varicella-zoster virus Ribonucleoside-diphosphate reductase large subunit (ORF19), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ORF19 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 ORF19. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 9625894 |
| **NCBI GeneID** | 1487716 |
| **NCBI Accession #** | NP_040142.1 |
| **UniProt Primary Accession #** | Q4JQV6 |
| **UniProt Related Accession #** | CAA27902 |
| **GenBank Nucleotide #** | NC_001348.1 |
| **NCBI Official Full Name** | ribonucleotide reductase subunit 1 |
| **NCBI Official Symbol** | ORF19 |

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| **UniProt Protein Name** | Ribonucleoside-diphosphate reductase large subunit |
| **UniProt Synonym Protein Names** | Ribonucleotide reductase large subunit |
| **Protein Family** | Protein |
| **UniProt Gene Name** | RIR1 |
| **UniProt Synonym Gene Names** | R1 |
| **NCBI Protein Information** | ribonucleotide reductase subunit 1 |
| **UniProt Comments for ORF19** | Ribonucleoside-diphosphate reductase holoenzyme provides the precursors necessary for viral DNA synthesis. Allows virus growth in non-dividing cells, as well as reactivation from latency in infected hosts. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. |
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