# Uvrabc System Protein C (uvrC) Shigella Dysenteriae Serotype 1 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | UvrABC system protein C (uvrC), Recombinant Protein |
| **Full Product Name** | Recombinant Shigella dysenteriae serotype 1 UvrABC system protein C (uvrC), partial |
| **Product Gene Name** | uvrC recombinant protein |
| **Product Synonym Gene Name** | uvrC |
| **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** | 64,347 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 Q32HE0 |
| **Species** | Shigella dysenteriae serotype 1 (strain Sd197) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for uvrC recombinant protein** | MBS1351624 is a recombinant protein targeting uvrC. Also known as Recombinant Shigella dysenteriae serotype 1 UvrABC system protein C (uvrC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of uvrC 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 uvrC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499697916 |
| **NCBI GeneID** | 3795446 |
| **NCBI Accession #** | WP_011378650.1 |
| **UniProt Primary Accession #** | Q32HE0 |
| **UniProt Related Accession #** | Q32HE0 |
| **GenBank Nucleotide #** | WP_011378650.1 |
| **NCBI Official Full Name** | UvrABC system protein C |
| **NCBI Official Symbol** | uvrC |
| **UniProt Protein Name** | UvrABC system protein C |

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| **UniProt Synonym Protein Names** | Excinuclease ABC subunit C |
| **Protein Family** | UvrABC system protein |
| **UniProt Gene Name** | uvrC |
| **UniProt Synonym Gene Names** | Protein UvrC |
| **NCBI Protein Information** | repair of UV damage to DNA |
| **UniProt Comments for uvrC** | The UvrABC repair system catalyzes the recognition and processing of DNA lesions. UvrC both incises the 5' and 3' sides of the lesion. The N-terminal half is responsible for the 3' incision and the C-terminal half is responsible for the 5' incision. |
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