# Replication Factor C Large Subunit (rfcL) Pyrococcus Horikoshii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Replication factor C large subunit (rfcL), Recombinant Protein |
| **Full Product Name** | Recombinant Pyrococcus horikoshii Replication factor C large subunit (rfcL) |
| **Product Gene Name** | rfcL recombinant protein |
| **Sequence** | MPDVPWIEKY RPRKLSEIVN QEQALEKVRA WIESWLHGNP PKKKALLLAG PPGSGKTTTV YALAHEYNFE VIELNASDER TYNKIARYVQ AAYTMDIMGK RRKIIFLDEA DNIEPSGAPE IAKLIDKARN PIIMAANHYW EVPKEIRDRA ELVEYKRLNQ RDVISALVRI LKREGITVPK EILTEIAKRS SGDLRAAIND LQTIVAGGYE DAKYVLAYRD VEKTVFQSLG MVFSSDNAKR AKLALMNLDM SPDEFLLWVD ENIPHMYLKP EEMARAYEAI SRADIYLGRA QRTGNYSLWK YAIDMMTAGV AVAGTKKKGF AKFYPPNTLK MLAESKEERS IRDSIIKKIM KEMHMSKLEA LETMKILRTI FENNLDLAAH FTVFLELTEK EVEFLAGKEK AGTIWGKTLS IRRRIKETEK IEEKAVEEKV EEEEAEEEEE EERKEEEKPK AEKKKGKQVT LFDFIKKN |
| **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** | 53,913 Da |
| **Sequence Positions** | 1-468, Full length protein |
| **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 O57853 |
| **Species** | Pyrococcus horikoshii (strain 700860 / DSM 12428 / JCM 9974 / NBRC 100139 / OT-3) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for rfcL recombinant protein** | MBS1071360 is a recombinant protein targeting rfcL. Also known as Recombinant Pyrococcus horikoshii Replication factor C large subunit (rfcL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of rfcL 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 rfcL. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499186689 |
| **NCBI Accession #** | WP_010884229.1 |
| **UniProt Primary Accession #** | O57853 |
| **GenBank Nucleotide #** | WP_010884229.1 |
| **NCBI Official Full Name** | replication protein C |

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| **UniProt Protein Name** | Replication factor C large subunit |
| **UniProt Synonym Protein Names** | Clamp loader large subunit |
| **Protein Family** | Replication factor |
| **UniProt Gene Name** | rfcL |
| **UniProt Synonym Gene Names** | RFC large subunit |
| **UniProt Comments for rfcL** | Part of the RFC clamp loader complex which loads the PCNA sliding clamp onto DNA. |
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