# Cytochrome C1 (petC) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cytochrome c1 (petC), Recombinant Protein |
| **Full Product Name** | Recombinant Cytochrome c1 (petC) |
| **Product Gene Name** | petC recombinant protein |
| **Product Synonym Gene Name** | petC |
| **Product Synonym Names** | Recombinant Cytochrome c1 (petC); Cytochrome c1 |
| **Sequence** | NEGGVSLHKQ DWSWKGIFGR YDQPQLQRGF QVFHEVCSTC HGMKRVAYRN LSALGFSEDG IKELAAEKEF PAGPDDNGDM FTRPGTPADH IPSPFANDKA AAAANGGAAP PDLSLLAKAR PGGPNYIYSL LEGYASDSPG EPAEWWVKQQ QEKGLEVAFN EAKYFNDYFP GHAISMPPPL MDDLITYEDG TAATKDQMAQ DVVAYLNWAA EPELDARKSL GLKVLLFLGV LTAMLLALKL AIWRDVKH |
| **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 degree C. For extended storage, store at -20 or -80 degree C. |
| **Molecular Weight** | 29,495 Da |
| **Sequence Positions** | 25-272 |
| **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 P23135 |
| **Species** | Rhodospirillum rubrum |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for petC recombinant protein** | MBS1261345 is a recombinant protein targeting petC. Also known as Recombinant Cytochrome c1 (petC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of petC 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 petC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 117763 |
| **NCBI Accession #** | P23135.1 |
| **UniProt Primary Accession #** | P23135 |
| **NCBI Official Full Name** | Cytochrome c1 |
| **UniProt Protein Name** | Cytochrome c1 |

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|---|---|
| **Protein Family** | Cytochrome |
| **UniProt Gene Name** | petC |
| **UniProt Entry Name** | CY1_RHORU |
| **UniProt Comments for petC** | Function: Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis.<br><br>Subunit structure: The main subunits of complex b-c1 are: cytochrome b, cytochrome c1 and the Rieske protein.<br><br>Subcellular location: Cell membrane; Single-pass membrane protein<br><br>Potential.<br><br>Post-translational modification: Binds 1 heme group per subunit. |
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