# NADH-Quinone Oxidoreductase Subunit C (nuoC) Hyphomonas Neptunium Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | NADH-quinone oxidoreductase subunit C (nuoC), Recombinant Protein |
| **Full Product Name** | Recombinant Hyphomonas neptunium NADH-quinone oxidoreductase subunit C (nuoC) |
| **Product Gene Name** | nuoC recombinant protein |
| **Product Synonym Gene Name** | nuoC |
| **Sequence** | MDTQALSDLA AHIEGRMPDA VRSWQIHVGE LTLLAERDHI VPLLRFLRDD QQCNFETFID VCGVDYPERS ERFEVVYHLL SMRMNHRIRV RIRTDEETAV PSVVSLWPAA NWFEREAFDM YGIQFADHPD LRRILTDYGF EGWPLRKDFP LTGHYEVRYD DLEKRVIYEP VKLAQEYRNF DFLSPWEGMT TVIPGDEKAK EG |
| **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** | 23,852 Da |
| **Sequence Positions** | 1-202, 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 Q0C1E5 |
| **Species** | Hyphomonas neptunium (strain 15444) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for nuoC recombinant protein** | MBS1306829 is a recombinant protein targeting nuoC. Also known as Recombinant Hyphomonas neptunium NADH-quinone oxidoreductase subunit C (nuoC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of nuoC 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 nuoC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499966030 |
| **NCBI Accession #** | WP_011646748.1 |
| **UniProt Primary Accession #** | Q0C1E5 |
| **GenBank Nucleotide #** | WP_011646748.1 |
| **NCBI Official Full Name** | MULTISPECIES: NADH-quinone oxidoreductase subunit C |

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| **UniProt Protein Name** | NADH-quinone oxidoreductase subunit C |
| **UniProt Synonym Protein Names** | NADH dehydrogenase I subunit C |
| **Protein Family** | NADH-quinone oxidoreductase |
| **UniProt Gene Name** | nuoC |
| **UniProt Comments for nuoC** | NDH-1 shuttles electrons from NADH, via FMN and iron-sulfur (Fe-S) centers, to quinones in the respiratory chain. The immediate electron acceptor for the enzyme in this species is believed to be ubiquinone. Couples the redox reaction to proton translocation (for every two electrons transferred, four hydrogen ions are translocated across the cytoplasmic membrane), and thus conserves the redox energy in a proton gradient. |
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