# Na (+)-Translocating NADH-Quinone Reductase Subunit A (nqrA) Vibrio Vulnificus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Na (+)-translocating NADH-quinone reductase subunit A (nqrA), Recombinant Protein |
| **Full Product Name** | Recombinant Vibrio vulnificus Na (+)-translocating NADH-quinone reductase subunit A (nqrA) |
| **Product Gene Name** | nqrA recombinant protein |
| **Product Synonym Gene Name** | nqrA |
| **Sequence** | MITIKKGLDL PIAGAPSQVI NDGKSITKVA LLGEEYVGMR PTMHVRVGDE VKKAQVLFED KKNPGVKFTS PVSGKVIEVN RGAKRVLQSV VIEVAGDEQV TFDKFEASQL AGLDREVIKT QLVESGLWTA LRTRPFSKVP AIESTTKAIF VTAMDTNPLA AKPELIINEQ AEAFVAGLDV LSALTEEKVY VCKSGTSLPR SSQSNVEEHV FDGPHPAGLA GTHMHFLYPV NANNVAWSIN YQDVIAFGQL FLTGELFTDR VVSLAGPVVN NPRLVRTIMG ASLDELTDSE MMPGEVRVIS GSVLTGTHAT GPHAYLGRYH LQVSVLREGR DKELFGWATP GKNKFSVTRS FLGHLFKGQL FNMTTTTNGS DRAMVPIGNY ERVVPLDMEP TLLLRDLCAG DTDSAQALGA LELDEEDLAL CTFVCPGKYE YGQLLRDCLN TIEKEG |
| **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** | 48,538 Da |
| **Sequence Positions** | 1-446, 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 Q8DBJ6 |
| **Species** | Vibrio vulnificus |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for nqrA recombinant protein** | MBS1437373 is a recombinant protein targeting nqrA. Also known as Recombinant Vibrio vulnificus Na (+)-translocating NADH-quinone reductase subunit A (nqrA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of nqrA 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 nqrA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499392260 |
| **NCBI Accession #** | WP_011079727.1 |
| **UniProt Primary Accession #** | Q8DBJ6 |

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| **GenBank Nucleotide #** | WP_011079727.1 |
| **NCBI Official Full Name** | NADH:ubiquinone reductase (Na(+)-transporting) subunit A |
| **UniProt Protein Name** | Na(+)-translocating NADH-quinone reductase subunit A |
| **UniProt Synonym Protein Names** | NQR complex subunit A |
| **Protein Family** | Na(+)-translocating NADH-quinone reductase |
| **UniProt Gene Name** | nqrA |
| **UniProt Synonym Gene Names** | Na(+)-NQR subunit A; Na(+)-translocating NQR subunit A |
| **UniProt Comments for nqrA** | NQR complex catalyzes the reduction of ubiquinone-1 to ubiquinol by two successive reactions, coupled with the transport of Na+ ions from the cytoplasm to the periplasm. NqrA to NqrE are probably involved in the second step, the conversion of ubisemiquinone to ubiquinol. |
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