Na (+)-Translocating NADH-Quinone Reductase Subunit A (nqrA) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Na (+)-translocating NADH-quinone reductase subunit A (nqrA), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Na (+)-translocating NADH-quinone reductase subunit A (nqrA)
Product Gene Name	nqrA recombinant protein
Product Synonym Gene Name	nqrA
Sequence	MITIKKGLEL PITGGPEQVI HNGPAINHVA TLGEEYIGLR PTMKIKVGDK VQKGQVLFED KKNLGVKYTA LASGTILEIN RGAKRVLQSV VIAVEGDDSV AFSKHDAGSL ATLDAQLVRT NLIDSGLWTA LRTRPFSKVP AVDATAAGIF VTAIDTQPLA ADPAVVIAEH KDDFANGLTL LAKLTEGKVF LCKAPGADIP AANAQVEEFA GIHPAGLVGT HIHNLLPASA KRSVWHIGYQ DVIAIGQLFT QGVLNTERVF AIGGPKAKKP RLVRSRLGAS LVELMADETQ AGDVRVISGS VLNGRTAAGV HAYAGRYHQQ ITVLEEGREQ EFFGWAMPGG DKFSITRSFL SHLSPSRLFN MTTSTGGSER AMVPIGNYER VVPLDVLPTL LLRDLLSGDF DSAVTLGALE LDEEDLALCT FVCPGKYDYG SYLRDCLDTI EREG
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	47,559 Da
Sequence Positions	1-444, 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 Q12QK6
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nqrA recombinant protein	MBS1403032 is a recombinant protein targeting nqrA. Also known as Recombinant Shewanella denitrificans 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.

NCBI GI #	499814700
NCBI Accession #	WP_011495434.1
UniProt Primary Accession #	Q12QK6

GenBank Nucleotide #	WP_011495434.1
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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