NADH-Quinone Oxidoreductase Subunit H (nuoH) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-quinone oxidoreductase subunit H (nuoH), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis NADH-quinone oxidoreductase subunit H (nuoH), partial
Product Gene Name	nuoH recombinant protein
Sequence	MTTFGHDTWW LVAAKAIAVF VFLMLTVLVA ILAERKLLGR MQLRPGPNRV GPKGALQSLA DGIKLALKES ITPGGIDRFV YFVAPIISVI PAFTAFAFIP FGPEVSVFGH RTPLQITDLP VAVLFILGLS AIGVYGIVLG GWASGSTYPL LGGVRSTAQV ISYEVAMGLS FATVFLMAGT MSTSQIVAAQ DGVWYAFLLL PSFVIYLISM VGETNRAPFD LPEAEGELVA GFHTEYSSLK FAMFMLAEYV NMTTVSALAA TLFFGGWHAP WPLNMWASAN TGWWPLIWFT AKVWGFLFIY FWLRATLPRL RYDQFMALGW KLLIPVSLVW VMVAAIIRSL RNQGYQYWTP TLVFSSIVVA AAMVLLLRKP LSAPGARASA RQRGDEGTSP EPAFPTPPLL AGATKENAGG
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	44,658 Da
Sequence Positions	1-410
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 A1KNE8
Species	Mycobacterium bovis (strain BCG / Pasteur 1173P2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nuoH recombinant protein	MBS1256431 is a recombinant protein targeting nuoH. Also known as Recombinant Mycobacterium bovis NADH-quinone oxidoreductase subunit H (nuoH), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nuoH 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 nuoH. It may not necessarily be applicable to this product.

NCBI GI #	489511594
NCBI Accession #	WP_003416445.1
UniProt Primary Accession #	A1KNE8
GenBank Nucleotide #	WP_003416445.1

NCBI Official Full Name	MULTISPECIES: NADH-quinone oxidoreductase subunit H
UniProt Protein Name	NADH-quinone oxidoreductase subunit H
UniProt Synonym Protein Names	NADH dehydrogenase I subunit H
Protein Family	NADH-quinone oxidoreductase
UniProt Gene Name	nuoH
UniProt Comments for nuoH	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 menaquinone. 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. This subunit may bind ubiquinone ().
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