NADH-Quinone Oxidoreductase Subunit 6 (nqo6) Thermus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-quinone oxidoreductase subunit 6 (nqo6), Recombinant Protein
Full Product Name	Recombinant Thermus thermophilus NADH-quinone oxidoreductase subunit 6 (nqo6)
Product Gene Name	nqo6 recombinant protein
Product Synonym Gene Name	nqo6
Sequence	ALKDLFERDV QELEREGILF TTLEKLVAWG RSNSLWPATF GLACCAIEMM ASTDARNDLA RFGSEVFRAS PRQADVMIVA GRLSKKMAPV MRRVWEQMPD PKWVISMGAC ASSGGMFNNY AIVQNVDSVV PVDVYVPGCP PRPEALIYAV MQLQKKVRGQ AYNERGERLP PVAAWKRTRG
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	20,239 Da
Sequence Positions	2-181, 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 Q56218
Species	Thermus thermophilus (strain HB8 / 27634 / DSM 579)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nqo6 recombinant protein	MBS1339965 is a recombinant protein targeting nqo6. Also known as Recombinant Thermus thermophilus NADH-quinone oxidoreductase subunit 6 (nqo6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nqo6 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 nqo6. It may not necessarily be applicable to this product.

NCBI GI #	499487631
NCBI GeneID	3168381
NCBI Accession #	WP_011174271.1
UniProt Primary Accession #	Q56218
UniProt Secondary Accession #	Q5SM58

GenBank Nucleotide #	WP_011174271.1
NCBI Official Full Name	MULTISPECIES: NADH-quinone oxidoreductase
NCBI Official Symbol	TTHA0085
UniProt Protein Name	NADH-quinone oxidoreductase subunit 6
UniProt Synonym Protein Names	NADH dehydrogenase I subunit 6; NDH-1 subunit 6
Protein Family	NADH-quinone oxidoreductase
UniProt Gene Name	nqo6
NCBI Protein Information	NADH dehydrogenase subunit B
UniProt Comments for nqo6	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 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 required for the synthesis of ATP.
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