NADH-Ubiquinone Oxidoreductase Chain 6 (MT-ND6) Alle Alle Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-ubiquinone oxidoreductase chain 6 (MT-ND6), Recombinant Protein
Full Product Name	Recombinant Alle alle NADH-ubiquinone oxidoreductase chain 6 (MT-ND6)
Product Gene Name	MT-ND6 recombinant protein
Product Synonym Gene Name	MT-ND6; MTND6, NADH6, ND6
Product Synonym Names	Recombinant NADH-ubiquinone oxidoreductase chain 6 (MT-ND6); NADH-ubiquinone oxidoreductase chain 6 EC= 1.6.5.3; NADH dehydrogenase subunit 6
Sequence	MTYFVLFLGL CFVLGGLAVA SNPSPYYGVV GLVLASIAGC GWLLSLGVSF VSLVLFMVYL GGMLVVFVYS VSLAADPFPE AWGDWRVVGY GVSLITVLVV GVVVGGFVEY WDFGVITVDS VGMFSVRLDF GGVAMFYSCG VGMFLVAGWG LLLTLFVVLE LVRGLTRGAI RAV
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	18,338 Da
Sequence Positions	1-173
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 P43192
Species	Alle alle (Little auk) (Dovekie)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT-ND6 recombinant protein	MBS1259507 is a recombinant protein targeting MT-ND6. Also known as Recombinant Alle alle NADH-ubiquinone oxidoreductase chain 6 (MT-ND6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT-ND6 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 MT-ND6. It may not necessarily be applicable to this product.

NCBI GI #	1171834
NCBI Accession #	P43192.1
UniProt Primary Accession #	P43192
NCBI Official Full Name	NADH-ubiquinone oxidoreductase chain 6

UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 6
UniProt Synonym Protein Names	NADH dehydrogenase subunit 6
Protein Family	NADH-ubiquinone oxidoreductase
UniProt Gene Name	MT-ND6
UniProt Synonym Gene Names	MTND6; NADH6; ND6
UniProt Entry Name	NU6M_ALLAL
UniProt Comments for MT-ND6	Function: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone By similarity. Catalytic activity: NADH + ubiquinone = NAD+ + ubiquinol. Subcellular location: Mitochondrion membrane; Multi-pass membrane protein Potential. Sequence similarities: Belongs to the complex I subunit 6 family.
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