NADH-Ubiquinone Oxidoreductase Chain 5 (ND5) Anopheles Quadrimaculatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-ubiquinone oxidoreductase chain 5 (ND5), Recombinant Protein
Full Product Name	Recombinant Anopheles quadrimaculatus NADH-ubiquinone oxidoreductase chain 5 (ND5), partial
Product Gene Name	ND5 recombinant protein
Sequence	MNYCKISFYF LLSISLSLFL ISLKFLLKDL VYFIEWEAWV FKSMSIVMTF LFDWMSLMFM SFVLLISSLV IFYSNQYMEE DYNINRFILL VLMFVMSMMM LIISPNLISI LLGWDGLGLV SYCLVIYFQN VKSYNAGMLT ALSNRIGDVA LLLAIAWMLN YGSWNYIFYL EMMSKNTEMM IIGGLVMLAA MTKSAQIPFS SWLPAAMAAP TPVSALVHSS TLVTAGLYLL IRFNILLTDW WMGQFMLLIS GLTMFMAGLG ANFEFDLKKI IALSTLSQLG LMMSILSMGF YKLAFFHLLT HALFKALLFM CAGSIIHNMK NSQDIRMMGS LSMSMPLTCS CFNVANLALC GMPFLAGFYS KDLILEMVSL SYVNVFSFFL FFFSTGLTVC YSFRLVYYSM TGDFNSSVLH PLNDSGWTML FSIFFLMIMA VIGGSMLSWL MFLNPSMICL PFDLKMLTLF VCILGGLIGY LLSNVSLFFT NKALYFYNFT YFAGSMWFMP VVSTIGVINY PLKLGLYSYK SFDQGWSEFF GGQMIYNQLK NYSLYLQEFQ MNSLKIYLLS YMLWFIVLLM LVVLVN
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	65,913 Da
Sequence Positions	1-576
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 P33510
Species	Anopheles quadrimaculatus (Common malaria mosquito)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ND5 recombinant protein	MBS1162587 is a recombinant protein targeting ND5. Also known as Recombinant Anopheles quadrimaculatus NADH-ubiquinone oxidoreductase chain 5 (ND5), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ND5 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 ND5. It may not necessarily be applicable to this product.

NCBI GI #	464244
NCBI Accession #	P33510.1
UniProt Primary Accession #	P33510

NCBI Official Full Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Synonym Protein Names	NADH dehydrogenase subunit 5
Protein Family	NADH-ubiquinone oxidoreductase
UniProt Gene Name	ND5
UniProt Comments for ND5	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 ().
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