NADH Dehydrogenase [Ubiquinone] Flavoprotein 1, Mitochondrial (NDUFV1) Pongo Pygmaeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial (NDUFV1), Recombinant Protein
Full Product Name	Recombinant Pongo pygmaeus NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial (NDUFV1)
Product Gene Name	NDUFV1 recombinant protein
Product Synonym Gene Name	NDUFV1
Sequence	SGDTTAPKKT SFGSLKDEDR IFTNLYGRHD WRLKGALSRG DWYKTKEILL KGPDWILGEI KTSGLRGRGG AGFPTGLKWS FMNKPSDGRP KYLVVNADEG EPGTCKDREI IRHDPHKLVE GCLVGGRAMG ARAAYIYIRG EFYNEASNLQ VAIREAYEAG LIGKNACGSG YDFDVFVVRG AGAYICGEET ALIESIEGKQ GKPRLKPPFP ADVGVFGCPT TVANVETVAV SPTICRRGGT WFAGFGRERN SGTKLFNISG HVNYPCTVEE EMSVPLKELI EKHAGGVTGG WDNLLAVIPG GSSTPLIPKS VCETVLMDFD ALVQAQTGLG TAAVIVMDRS TDIVKAIARL IEFYKHESCG QCTPCREGVD WMNKVMARFV RGDAQPAEID SLWEISKQIE GHTICALGDG AAWPVQGLIR HFRPELEERM QRFAQQHQAQ QAAS
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	50,727 Da
Sequence Positions	21-464, 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 Q0MQI4
Species	Pongo pygmaeus (Bornean orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDUFV1 recombinant protein	MBS1313325 is a recombinant protein targeting NDUFV1. Also known as Recombinant Pongo pygmaeus NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial (NDUFV1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NDUFV1 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 NDUFV1. It may not necessarily be applicable to this product.

NCBI GI #	115502495
NCBI Accession #	Q0MQI4.1

UniProt Primary Accession #	Q0MQI4
NCBI Official Full Name	NADH dehydrogenase
UniProt Protein Name	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial
UniProt Synonym Protein Names	Complex I-51kD; CI-51kD; NADH-ubiquinone oxidoreductase 51 kDa subunit
UniProt Gene Name	NDUFV1
UniProt Synonym Gene Names	CI-51kD
UniProt Comments for NDUFV1	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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