NADH Dehydrogenase [Ubiquinone] Iron-Sulfur Protein 7, Mitochondrial (NDUFS7) Pongo Pygmaeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (NDUFS7), Recombinant Protein
Full Product Name	Recombinant Pongo pygmaeus NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (NDUFS7)
Product Gene Name	NDUFS7 recombinant protein
Sequence	PSSTQPALPK ARAVAPKPSS RGEYVVAKLD DLVNWARRSS LWPMTFGLAC CAVEMMHMAA PRYDMDRFGV VFRASPRQSD VMIVAGTLTN KMAPALRKVY DQMPEPRYVV SMGSCANGGG YYHYSYSVVR GCDRIVPVDI YIPGCPPTAE ALLYGILQLQ RKIKRERRLQ IWYRR
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	23,486 Da
Sequence Positions	39-213, 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 P0CB84
Species	Pongo pygmaeus (Bornean orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDUFS7 recombinant protein	MBS1257959 is a recombinant protein targeting NDUFS7. Also known as Recombinant Pongo pygmaeus NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (NDUFS7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NDUFS7 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 NDUFS7. It may not necessarily be applicable to this product.

NCBI GI #	269969394
NCBI Accession #	P0CB84.1
UniProt Primary Accession #	P0CB84
UniProt Secondary Accession #	Q0MQH8; Q5R4J8
NCBI Official Full Name	NADH dehydrogenase

UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial
UniProt Synonym Protein Names	Complex I-20kD; CI-20kD; NADH-ubiquinone oxidoreductase 20 kDa subunit
Protein Family	NADH dehydrogenase [ubiquinone] iron-sulfur protein
UniProt Gene Name	NDUFS7
UniProt Synonym Gene Names	CI-20kD
UniProt Comments for NDUFS7	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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