Recombinant Human NDUFB11, His-tagged

Cat. No. NDUFB11-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NADH Dehydrogenase [Ubiquinone] 1 β Subcomplex Subunit 11 Mitochondrial/NDUFB11 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu30-Glu153) of Human NDUFB11 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	30-153 a.a.
Description	NADH Dehydrogenase [Ubiquinone] 1 β Subcomplex Subunit 11 Mitochondrial (NDUFB11) belongs to the complex I NDUFB11 subunit family. NDUFB11 is a single-pass membrane protein and is a component of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I). Complex I catalyzes the first step in the electron transport chain, the transfer of 2 electrons from NADH to ubiquinone, coupled to the translocation of 4 protons across the membrane. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
AA Sequence	ESSFSRTVVAPSAVAGKRPPEPTTPWQEDPEPEDENLYEKNPDSHGYDKDPVLDV WNMRLVFFFG VSIILVLGSTFVAYLPDYRMKEWSRREAERLVKYREANGLPIMESN CFDPSKIQLPEDEVDHHHH HH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).

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Purity	Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name	NDUFB11 NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa [Homo sapiens]
Official Symbol	NDUFB11
Synonyms	NDUFB11; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial; complex I NP17.3 subunit; ESSS; Np15; NP17.3; complex I-ESSS; neuronal protein 17.3; NADH-ubiquinone oxidoreductase ESSS subunit; P17.3; CI-ESSS; FLJ20494; MGC111182;
Gene ID	54539
mRNA Refseq	NM_001135998
Protein Refseq	NP_001129470
MIM	300403
UniProt ID	Q9NX14
Chromosome Location	Xp11.3
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism,

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	organism-specific biosystem; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, organism-specific biosystem;

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