

Recombinant Human NDUFV3, His-tagged

Cat. No. NDUFV3-2345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NDUFV3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	97aa
Description	NDUFV3 is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA
Molecular Mass	10.8kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSAESGKS EKGQPQNSKK QSPPKKPAPV PAEPFDNTTY KNLQHHDYST YTFLDLNLEL SKFRMPQPSSGRESRPH
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml

GENE INFORMATION

Gene Name	NDUFV3 NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa [Homo sapiens]
Official Symbol	NDUFV3
Synonyms	NDUFV3; NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa; NADH dehydrogenase (ubiquinone) flavoprotein 3 (10kD); NADH dehydrogenase [ubiquinone] flavoprotein 3, mitochondrial; CI 10k; complex I 10kDa subunit; complex I-9kD; renal carcinoma antigen NY-REN-4; NADH-ubiquinone oxidoreductase 9 kD subunit; NADH-ubiquinone oxidoreductase 9 kDa subunit; mitochondrial NADH oxidoreductase-like protein; NADH-ubiquinone oxidoreductase flavoprotein 3, 10kD; complex I, mitochondrial respiratory chain, 10-kD subunit; CI-10k; CI-9KD;
Gene ID	4731
mRNA Refseq	NM_001001503
Protein Refseq	NP_001001503
MIM	602184
UniProt ID	P56181

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Chromosome Location	21q22.3
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	NADH dehydrogenase (ubiquinone) activity;

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