

Recombinant Human NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase), His-tagged

Cat. No. NDUFS5-459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFS5, 1-106aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-106 a.a.
Description	NDUFS5 is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. This protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Recombinant human NDUFS5 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	14.9 kDa(129aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPLDIQ KRFG LNIDRW LTIQSGEQPY KMAGRCHAFE KEWIECAHGI GYTRAEKECK IEYDDFVECL LRQKTMRRAG TIRKQRDKLI KEGKYTPPPH HIGKGEP RP
Purity	>85% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	NDUFS5 NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase) [Homo sapiens]
Official Symbol	NDUFS5
Synonyms	NDUFS5; NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 5 (15kD) (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 5; CI 15k; complex I 51kDa subunit; NADH dehydrogenase [ubiquinone] iron sulfur protein 5; CI-15 kDa; complex I-15 kDa; NADH:ubiquinone oxidoreductase 15 kDa IP subunit; CI15K; CI-15k;
Gene ID	4725
mRNA Refseq	NM_001184979
Protein Refseq	NP_001171908
MIM	603847
UniProt ID	O43920
Chromosome Location	1p34.2-p33

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Pathway

Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

NADH dehydrogenase (ubiquinone) activity;

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