Recombinant Human NDUFAF2, His-tagged

Cat. No. NDUFAF2-1008H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NDUFAF2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-169aa).
Species	Human
Source	E.coli
Description	NDUFAF2, also known as Mimitin, belongs to the complex I NDUFA12 subunit family. NADH dehydrogenase is an enzyme located in the inner mitochondrial membrane that catalyzes the transfer of electrons from NADH to coenzyme Q (CoQ). It is the "entry enzyme" of oxidative phosphorylation in the mitochondria. Mimitin protein acts as a molecular chaperone for mitochondrial complex I assembly.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 200mM NaCl
Molecular Weight	22kDa (189aa), confirmed by MALDI-TOF
Purity	> 85% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGWSQDLFRA LWRSLSREVK EHVGTDQFGN KYYYIPQYKN WRGQTIREKR IVEAANKKEV DYEAGDIPTE WEAWIRRTRK

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	TPPTMEEILK NEKHREEIKI KSQDFYEKEK LLSKETSEEL LPPPVQTQIK GHASAPYFGK EEPSVAPSST GKTFQPGSWM PRDGKSHNQ
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.

GENE INFORMATION

Gene Name	NDUFAF2 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2 [Homo sapiens]
Official Symbol	NDUFAF2
Synonyms	NDUFAF2; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2; MMTN; B17.2L; mimitin; FLJ22398; NDUFA12L; mimitin, mitochondrial; OTTH-UMP00000161882; OTTHUMP00000221703; NDUFA12 -like protein; Myc-induced mitochondrial protein; B17.2-like; NDUFA12-like; NADH dehydrogenase [ubiqui-none] 1 alpha subcomplex assembly factor 2
Gene ID	91942
mRNA Refseq	NM_174889
Protein Refseq	NP_777549
MIM	609653
UniProt ID	Q8N183
Chromosome Location	5q12.1

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Function	NADH dehydrogenase (ubiquinone) activity; electron carrier activity

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