

Recombinant Human NDUFAF2, His-tagged

Cat. No. NDUFAF2-30238TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Mimitin with an N terminal His tag; 189 amino acids with tag, Predicted MWt 22 kDa.
Species	Human
Source	E.coli
ProteinLength	169 amino acids
Description	NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene cause progressive encephalopathy resulting from mitochondrial complex I deficiency.
Conjugation	HIS
Molecular Weight	22.000kDa inclusive of tags
Tissue specificity	Highly expressed in ESCC cells. Also expressed in heart, skeletal muscle, liver, and in fibroblasts.
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 20% Glycerol, 200mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMGWSQDLFRALWRSLSREVKEHVGTDQFGNKYYY IPQYKNWRGQTIREKRIVEAANKKEVDYEAGDIPTWEAWIRRTKTPPTMEEILKNE KHREEIKIKSQDFYEKEKLLSKETSEELLPPPVTQIKGHASAPYFGKEEPSVAPSST GKTFQPGSWMPRDGKSHNQ
Sequence Similarities	Belongs to the complex I NDUFA12 subunit family.

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; NDUFA12 like , NDUFA12L; mimitin, mitochondrial; B17.2L; mimitin; MMTN; Myc induced mitochondrial protein;
Gene ID	91942
mRNA Refseq	NM_174889
Protein Refseq	NP_777549

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MIM	609653
Uniprot ID	Q8N183
Chromosome Location	5q12.1
Pathway	Validated targets of C-MYC transcriptional activation, organism-specific biosystem;
Function	NADH dehydrogenase (ubiquinone) activity; electron carrier activity;

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