

AR39073PU-L

Human Mimitin (1-169, His-tag) - Purified

Alternate names:	B17.2-like, Myc-induced mitochondrial protein, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2, NDUFA12L, NDUFAF2
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q8N183
NCBI:	NP_777549
GeneID:	91942
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 200mM NaCl
Description:	Recombinant human NDUFAF2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MGWSQDLFRA LWRSLSREVK EHVGTDQFGN KYYYIPQYKN WRGQTIREKR IVEAANKKEV DYEAGDIPT EWEAWIRRTK TPPTMEEILK NEKHREEIKI KSQDFYEKEK LLSKETSEEL LPPPVQTQIK GHASAPYFGK EEPVAPSST GKTFQPGSWM PRDGKSHNQ Molecular weight: kDa (189aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Tsuneoka M., et al (2005) J. Biol. Chem. 280:19977-19985. Ogilvie I., et al (2005) J. Clin. Invest. 115:2784-2792.

Pictures:

Recombinant human NDUF2, 1-169aa,
His-tagged

