

## NDUFAF2 Human

**Description:**NDUFAF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (1-169 a.a.) and having a molecular mass of 22kDa. NDUFAF2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-157

For research use only.

**Synonyms:**Mimitin mitochondrial, B17.2-like, B17.2L, Myc-induced mitochondrial protein, MMTN, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2, NDUFA12-like protein, NDUFAF2, NDUFA12L, mimitin.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGWSQDLFRA LWRSLRSREVK  
EHVGTDQFGN KYYYIPQYKN WRGQTIREKR IVEAANKKEV DYEAGDIPT EAWIRRTK  
TPPTMEEILK NEKHREEIKI KSQDFYEKEK LLSKETSEEL LPPPVQTQIK GHASAPYFGK  
EEPSVAPSST GKTFQPGSWM PRDGKSHNQ.

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

NDUFAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 200mM NaCl.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Mimitin (NDUFAF2) is a member of the complex I NDUFA12 subunit family. NADH dehydrogenase is an enzyme located in the inner mitochondrial membrane, which catalyzes the transfer of electrons from NADH to coenzyme Q (CoQ). NDUFAF2 is the "entry enzyme" of oxidative phosphorylation in the mitochondria. Mimitin protein functions as a molecular chaperone for mitochondrial complex I assembly.

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