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NDUFAF2 Human

Catalog #:ENPS-157

For research use only.

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.

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 LWRSLSREVK EHVGTDQFGN KYYYIPQYKN WRGQTIREKR IVEAANKKEV DYEAGDIPTE WEAWIRRTRK 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 drµgs, 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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