

Mimitin, 1-169aa, Human, His tag, E.coli

Cat.NO.: TP02979

3th Edition

Synonyms:NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2, Mimitin, MMTN, NDUFA12L

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGWSQDLFRALWRSLSREVKEHVGTDQFGNKYYYIPQYKNWRGQTIREKRIVEA
ANKKEVDYEAGDIPTWEAWIRRTRKTPPTMEEILKNEKHREEIKIKSQDFYEKEKLLSKETSEELLPPPVTQIKGH
ASAPYFGKEEPSVAPSSTGKTFQPGSWMPRDGKSHNQ

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.