

**NDUFA5, 1-116aa, Human, His tag, E.coli**

**Cat.NO.: TP03124**

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3th Edition

**Synonyms:**NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5, B13, CI-13kB, CI-13KD-B, NUFM, UQOR13.

**Description:**NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5, also known as NDUFA5, belongs to the complex I NDUFA5 subunit family. The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. The high degree of conservation of NDUFA5 extending to plants and fungi indicates its functional significance in the enzyme complex. The protein localizes to the inner mitochondrial membrane as part of the 7 component-containing, water soluble 'iron-sulfur protein' (IP) fraction of complex I, although its specific role is unknown.

**Form:**15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**15.8 kDa (139aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAGVLKKTGLVGLAVCNTPHERLRILYTKILDVLEEIPKNAAYRKYTEQITNE  
KLAMVKAEPDVKKLEDQLQGGQLEEVILQAEHELNLARKMREWKLWEPLVEEPPADQWKWPI

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml

**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.