

**NDUFA2, 1-99 aa, Human, His tag, E.coli**

**Cat.NO.: TP03122**

3th Edition

**Synonyms:**NADH dehydrogenase 1 alpha subcomplex, B8, CD14, CIB8.

**Description:**NDUFA2 is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox. Mutations in this protein are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**13.3 kDa (122aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAAAAASRGV GAKLGLREIRIHL CQRSPGSQGV RDFIEKRYVELK KANPDLP  
ILIRECSDVQPKLWARYAFGQETNVPLNNFSADQVTRALENVLSGKA

**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.