

**NDUFS4, 43-175 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP03131**

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3th Edition

**Synonyms:**NADH dehydrogenase (ubiquinone) Fe-S protein 4, AQDQ

**Description:**NDUFS4, also known as NADH dehydrogenase (ubiquinone) Fe-S protein 4, is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol

**Molecular Weight:**15.5 kDa (134aa)

**Sequences:**

MAQDQTQDTQLITVDEKLDITTLTGVP EEHIKTRKVRIFVPARNMQSGVNNTKKWKMEFDTRERWENPLMGWAS  
TADPLSNMVLTFSTKEDAVSFAEKNWSYDIEERKVPKPKSKSYGANFSWNRTRVSTK

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/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.