

NDUFV3, 35-108aa, Human, His tag, E.coli

Cat.NO.: TP03135

3th Edition

Synonyms:NADH dehydrogenase (ubiquinone) flavoprotein 3, CI-10k, CI-9KD

Description:NDUFV3 is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human NDUFV3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA

Molecular Weight:10.8kDa (97aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSAESGKSEKQNPQNSKKQSPPKKPAPVPAEFPDNTTYKNLQHHDYSTYTFLLNLELSKFRMPQPSSGRESRPH

Purity:> 95% by HPLC

Concentration:0.25 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.