

NDUFS6, 28-124aa, Human, His tag, E.coli

Cat.NO.: TP03133

3th Edition

Synonyms:NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, CI-13Ka, CI-13kD-A, CI13KDA

Description:NDUFS6 is a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit is one of seven subunits in the iron-sulfur protein fraction. Mutations cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders. Recombinant human NDUFS6 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 0.15M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:13.2kDa (120aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSGVVRVSPTGEKVTHTGQVYDDKDYRRIRFVGRQKEVNENFAIDLIAEQPVSE
VETRVACDGGGGALGHPKVYINLDKETKTGTGCGYCGLQFRQHHH

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.