

NDUFS4 Human

Description:NDUFS4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids (43-175 a.a.) and having a molecular mass of 15.5 kDa.The NDUFS4 is purified by proprietary chromatographic techniques.

Catalog #:ENPS-428

For research use only.

Synonyms:AQDQ, NDUFS4, NADH dehydrogenase [ubiquinone] iron-sulfur protein 4 mitochondrial, NADH-ubiquinone oxidoreductase 18 kDa subunit, Complex I-18 kDa, CI-18 kDa, Complex I-AQDQ, CI-AQDQ.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MAQDQTQDTQ LITVDEKLDI TTLTGVPEEH IKTRKVRIFV
PARNNMQSGV NNTKKWKMEF DTRERWENPL MGWASTADPL SNMVLTFSTK EDAVSFAEKN
GWSYDIEERK VPKPKSKSYG ANFSWNKRTR VSTK.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NDUFS4 solution contains 20mM Tris pH-8 & 30% glycerol.

Stability:

NDUFS4 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NDUFS4 is a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), the primary multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I is involved in cellular ATP production, the main source of energy for numerous vital processes in living cells. NDUFS4 removes electrons from NADH and passes them by a series of diverse protein-coupled redox centers to the electron acceptor ubiquinone. NDUFS4 presents a hotspot of mutations in the genetic apparatus of oxidative phosphorylation and the correct assembly of the subunit it encodes is essential for completion of the assembly of complex I.

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