

## 32-2596: NDUFS4 Recombinant Protein

**Alternative Name** 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.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The NDUFS4 solution contains 20mM Tris pH-8 & 30% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MAQDQTQDTQ LITVDEKLDI TTLTGVPEEH IKTRKVRIFV PARNNMQSGV NNTKKWKMEF DTRERWENPL MGWASTADPL SNMVLTFSTK EDAVSFAEKN GWSYDIEERK VPKPKSKSYG ANFSWNRTR VSTK.

