

32-2596: NDUF54 Recombinant Protein

Alternative Name : AQDQ,NDUF54,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. NDUF54 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 NDUF54 is purified by proprietary chromatographic techniques. NDUF54 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. NDUF54 removes electrons from NADH and passes them by a series of diverse protein-coupled redox centers to the electron acceptor ubiquinone. NDUF54 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

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The NDUF54 solution contains 20mM Tris pH-8 & 30% glycerol.
Storage condition :	NDUF54 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.
Amino Acid :	MAQDQTQDTQ LITVDEKLDI TTLTGVPEEH IKTRKVRIFV PARNNMQSGV NNTKKWKMEF DTRERWENPL MGWASTADPL SNMVLTFSTK EDAVSFAEKN GWSYDIEERK VPKPKSKSYG ANFSWNKRTR VSTK.

