

32-2595: NDUF53 Recombinant Protein

Alternative Name : CI-30,NADH dehydrogenase [ubiquinone] iron-sulfur protein 3,mitochondria,Complex I-30kD,CI-30kD,NADH-ubiquinone oxidoreductase 30 kDa subunit.

Description

Source : Escherichia Coli. Recombinant Human NDUF53 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 249amino acids (37-264 a.a.) and having a molecular mass of 28.7 kDa. NDUF53 is fused to a 21 amino acid His Tag at N-terminus and purified by conventional chromatography techniques. NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 (NDUF53) is a member of the complex I 30 kDa subunit family. NDUF53 is one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). This complex is the first enzyme complex in the electron transport chain of mitochondria. The iron-sulfur protein (IP) fraction of complex I consists of seven subunits. NDUF53 gene mutations are linked with Leigh syndrome resulting from mitochondrial complex indefficiency.

Product Info

Amount :	5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The NDUF53 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MESAGADTRP TVRPRNDVAH KQLSAFGGEYV AEILPKYVQQ VQVSCFNELE VCIHPDGVIP VLTFLRDHTN AQFKSLVDLT AVDVPTRQNR FEIVYNLLSL RFNSRIRVKT YTDELTPIES AVSVFKAANW YEREIWDMMFG VFFANHPDLR RILTDYGFEG HPFRKDFPLS GYVELRYDDE VKRVVAEPVE LAQEFRKFDL NSPWEAFPVY RQPPESLKLE AGDKKPKDAK

