

32-2595: NDUFS3 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 NDUFS3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 249 amino acids (37-264 a.a.) and having a molecular mass of 28.7 kDa. NDUFS3 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 (NDUFS3) is a member of the complex I 30 kDa subunit family. NDUFS3 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. NDUFS3 gene mutations are linked with Leigh syndrome resulting from mitochondrial complex inefficiency.

Product Info

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| Amount : | 5 µg |
| Purification : | Greater than 85.0% as determined by SDS-PAGE. |
| Content : | The NDUFS3 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 KQLSAFGEYV AEILPKYVQQ VQVSCFNELE VCIHPDGVIP VLTFLRDHTN AQFKSLVDLT AVDVPTRQNR FEIVYNLLSL RFNSRIRVKT YTDELTPIES AVSVFKAANW YEREIWD MFG VFFANHPDLR RILTDYGFEG HPFRKDFPLS GYVELRYDDE VKRVVAEPVE LAQEFRKFDL NSPWEAFVY RQPPEL KLE AGDKKPKDAK |