9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2594: NDUFS2 Recombinant Protein

Alternative Name : CI-49 ,NADH dehydrogenase [ubiquinone] iron-sulfur protein 2,mitochondrial,Complex I-49kD,CI-49kD,NADH-ubiquinone oxidoreductase 49 kDa subunit,NDUFS2.

Description

Source : Escherichia Coli. NDUFS2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 410 amino acids (77-463a.a) and having a molecular mass of 46.5kDa. NDUFS2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NDUFS2 is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is a part of the minimal assembly required for catalysis. Complex I takes part in the transfer of electrons from NADH to the respiratory chain. Histidine NADH Dehydrogenase Fe-S Protein 2 (NDUFS2) is required for catalytic activity. Imperfections in NDUFS2 are the source of complex I mitochondrial respiratory chain deficiency, which is characterized by many symptoms including liver failure, cardiomyopathy and neurodegeneration.

Product Info

Amount :	10 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	The NDUFS2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
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 MGSVKNITLN FGPQHPAAHG VLRLVMELSG EMVRKCDPHI GLLHRGTEKL IEYKTYLQAL PYFDRLDYVS MMCNEQAYSL AVEKLLNIRP PPRAQWIRVL FGEITRLLNH IMAVTTHALD LGAMTPFFWL FEEREKMFEF YERVSGARMH AAYIRPGGVH QDLPLGLMDD IYQFSKNFSL RLDELEELLT NNRIWRNRTI DIGVVTAEEA LNYGFSGVML RGSGIQWDLR KTQPYDVYDQ VEFDVPVGSR GDCYDRYLCR VEEMRQSLRI IAQCLNKMPP GEIKVDDAKV SPPKRAEMKT SMESLIHHFK LYTEGYQVPP GATYTAIEAP KGEFGVYLVS DGSSRPYRCK IKAPGFAHLA GLDKMSKGHM LADVVAIIGT QDIVFGEVDR.