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NDUFAF4 Human

Catalog #:ENPS-665

For research use only.

Description:NDUFAF4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (1-175) and having a molecular mass of 22.7kDa.NDUFAF4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4, Hormone-regulated proliferation-associated protein of 20 kDa, NDUFAF4, C6orf66, HRPAP20, HSPC125, My013, bA22L21.1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMGALVIR GIRNFNLENR AEREISKMKP SVAPRHPSTN SLLREQISLY PEVKGEIARK DEKLLSFLKD VYVDSKDPVS SLQVKAAETC QEPKEFRLPK DHHFDMINIK SIPKGKISIV EALTLLNNHK LFPETWTAEK IMQEYQLEQK DVNSLLKYFV TFEVEIFPPE DKKAIRSK.

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
The NDUFAF4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4 (NDUFAF4) is involved in the compilation of mitochondrial NADH: ubiquinone oxidoreductase complex (complex I). In addition, NDUFAF4 is involved in cell proliferation and survival of hormone-dependent tumor cells. NDUFAF4 may also be a regulator of breast tumor cell invasion. NDUFAF4 gene mutations cause the mitochondrial complex I deficiency.

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