

NDUFAF1 Human

Description:NDUFAF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 326 amino acids (25-327) and having a molecular mass of 37kDa. NDUFAF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-668

For research use only.

Synonyms:Complex I intermediate-associated protein 30, mitochondrial, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 1, NDUFAF1, CIA30, CGI-65, CGI65.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMAAAAAS RGVGAKLGLR
EIRIHL CQRS PGSQGV RDFI EKRYVELKKA NPDLPILIRE CSDVQPKLWA RYAFGQETNV
PLNNFSADQV TRALENVLSG KA.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NDUFAF1 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 drugs, 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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