

## NDUFS3 Human

**Description:** 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.

**Catalog #:** ENPS-669

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MESAGADTRP TVRPRNDVAH  
KQLSAFGEYV AEILPKYVQQ VQVSCFNELE VCIHPDGVIP VLTFLRDHTN AQFKSLVDLT  
AVDVPTRQNR FEIVYNLLSL RFNSRIRVKT YDELTPIES AVSVFKAANW YEREIWDMMFG  
VFFANHPDLR RILTDYGFEG HPFRKDFPLS GYVELRYDDE VKRVVAEPVE LAQEFRKFDL  
NSPWEAFPVY RQ

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

### Formulation:

The NDUFS3 protein solution (0.25mg/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] 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.

**To place an order, please [Click HERE](#).**