

NDUFA5 Human

Description:NDUFA5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-116) and having a molecular mass of 15.8kDa. NDUFA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-664

For research use only.

Synonyms:NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5, Complex I subunit B13, Complex I-13kD-B, CI-13kD-B, NADH-ubiquinone oxidoreductase 13 kDa-B subunit, NDUFA5, B13, NUFM, UQOR13, CI-13kB.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHH SSGLVPRGSH MGSMAGVLKK TTGLVGLAVC
NTPHERLRIL YTKILDVLEE IPKNAAYRKY TEQITNEKLA MVKAEPDVKK LEDQLQGGQL
EEVILQAEHE LNLARKMREW KLWEPLVEEP PADQWKWPI.

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

Formulation:

The NDUFA5 solution (1mg/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 subunit 5 (NDUFA5) is a member of the complex I NDUFA5 subunit family. The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain that transfers electrons from NADH to ubiquinone. The NDUFA5 protein localizes to the inner mitochondrial membrane as part of the seven component-containing, water soluble 'iron-sulfur protein' (IP) fraction of complex I, even though its exact role is undetermined.

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