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NDUFA2 Human

Catalog #:ENPS-667

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Description:NDUFA2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 122 amino acids (1-99) and having a molecular mass of 13.3kDa.NDUFA2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2, Complex I-B8, CI-B8, NADH-ubiquinone oxidoreductase B8 subunit, NDUFA2, CD14, CIB8.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMAAAAAS RGVGAKLGLR EIRIHLCQRS PGSQGVRDFI EKRYVELKKA NPDLPILIRE CSDVQPKLWA RYAFGQETNV PLNNFSADQV TRALENVLSG KA.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The NDUFA2 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 drµgs, 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 thoµgh its exact role is undetermined.

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