

NADH Dehydrogenase 1 Alpha Subcomplex 5 Human Recombinant

Item Number rAP-1032

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.

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.

Uniprot Accesion Number Q16718

Amino Acid Sequence MGSSHHHHHH SSGLVPRGSH MGSMAGVLKK TTGLVGLAVC NTPHERLRIL YTKILDVLEE IP-KNAAYRKY TEQITNEKLA MVKAEPDVKK LEDQLQGGQL EEVILQAEHE LNLARKMREW KLWEPLVEEP PADQWKWPI.

Source Escherichia Coli.

Physical Appearance and Stability Sterile Filtered colorless solution. 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.

Formulation and Purity The NDUFA5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**