

## 32-2588: NDUFA5 Recombinant Protein

**Alternative Name :**

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

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg

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

**Content :** The NDUFA5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGS MAGVLKK TTGLVGLAVC NTPHERLRIL YTKILDVLEE IPKNAAYRKY TEQITNEKLA MVKAEPDVKK LEDQLQGGQL EEVILQAEHE LNLARKMREW KLWEPLVEEP PADQWKWPI.

