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AR50853PU-N Human Complex I subunit NDUFB4 (1-87, His-tag) - Purified

Alternate names: Complex I-B15, Mitochondria Complex I (NADH Dehydrogenase), NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4, NADH-ubiquinone oxidoreductase B15 subunit

Quantity: 0.5 mg

Concentration: 1 mg/ml (determined by Bradford assay)

Background: NDUFB4 is a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone.

Uniprot ID: O95168

NCBI: NP_001161803

GeneID: 4710

Species: Human

Source: E. coli

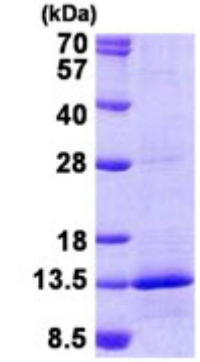
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description: Recombinant human NDUFB4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMSFPKYK PSSLRTLPET LDPAEYNISP ETRRAQAERL AIRAQLKREY LLQYNDPNRR GLIENPALLR WAYARTINVY PNFRPTPKNS
Molecular weight: 12.6 kDa (110aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Murray J, Zhang B, et al. (2003). J Biol Chem. 278(16):13619-22.

Pictures:



15% SDS-PAGE (3ug)