

AR50853PU-S

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:

0.1 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:

MGSSHHHHH SSGLVPRGSH MGSMSPKYYK PSSRLTLPET LDPAEYNISP ETRRAQAERL
AIRAQLKREY LLQYNDPNRR GLIENPALLR WAYARTINVY PNFRRTPKNS

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:

