

AR50594PU-N**Human NDUFA2 (1-99, His-tag) - Purified****Alternate names:**

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2

Quantity:

0.25 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

NDUFA2 is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox. Mutations in this protein are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder.

Uniprot ID:[O43678](#)**NCBI:**[NP_002479.1](#)**GeneID:**[4695](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT**Description:**

Recombinant human NDUFA2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAAAAS RGVGAKLGLR EIRIHLQRS PGSQGVRDFI
EKRYVELKKA NPDLPILIRE CSDVQPKLWA RYAFGQETNV PLNFSADQV TRALENLVSG KA

Molecular weight: 13.3 kDa (122aa) confirmed by MALDI-TOF**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., et al. (2003) J. Biol. Chem. 278 (16), 13619-13622
Loeffen, J.L., et al. (1998) Biochem. Biophys. Res. Commun. 253 (2), 415-422.

Pictures:

