Product information

NDUFS4, 43-175 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0328

Full name: NADH dehydrogenase (ubiquinone) Fe-S protein 4

NCBI Accession No.: NP_002486

Synonyms: AQDQ

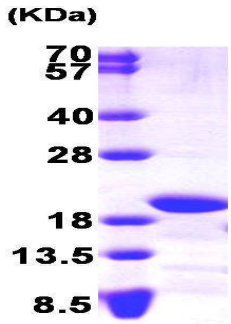
Description: NDUFS4, also known as NADH dehydrogenase (ubiquinone) Fe-S protein 4, is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. Recombinant human NDUFS4 protein was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol

Molecular Weight: 15.5 kDa (134aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MAQDQTQDTQ LITVDEKLDI TTLTGVPEEH IKTRKVRIFV PARNNMQSGV NNTKKWKMEF DTRERWENPL MGWASTADPL SNMVLTFSTK EDAVSFAEKN GWSYDIEERK VPKPKSKSYG ANFSWNKRTR VSTK

General references:

Choi WS., *et al.* (2008), *Proc Natl Acad Sci U S A.* **105**(39):15136-41.

De Rasmo D., *et al.* (2008). *Cell Signal*. **20**(5):989-97.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Product information

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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