

Recombinant human NDUFS4 protein

Catalog Number: ATGP0328

PRODUCT INFORMATION

Expression system

E.coli

Domain

43-175aa

UniProt No.

O43181

NCBI Accession No.

NP_002486

Alternative Names

AQDQ, CI AQDQ, CI-18, Complex I 18kDa subunit, Complex I AQDQ, Mitochondrial respiratory chain complex I (18 KD subunit), NADH dehydrogenase, NADH dehydrogenase (ubiquinone) Fe-S protein 4, NADH dehydrogenase (ubiquinone) Fe-S protein 4 CI 18 kDa, NADH ubiquinone oxidoreductase 18 kDa subunit, NADH:ubiquinone oxidoreductase subunit S4

PRODUCT SPECIFICATION

Molecular Weight

15.5 kDa (134aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

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

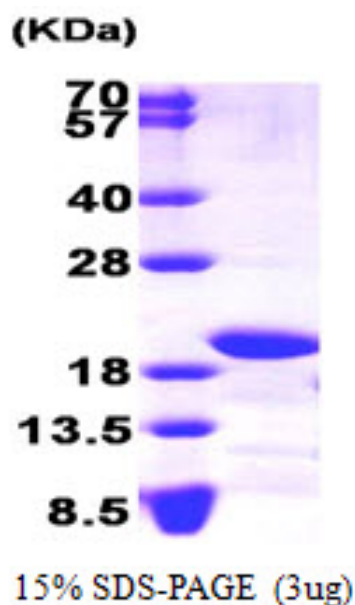
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.