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Recombinant human NDUFV3 protein

Catalog Number: ATGP2345

PRODUCT INFORMATION

Expression system

E.coli

Domain

35-108aa

UniProt No.

P56181

NCBI Accession No.

NP 001001503

Alternative Names

NADH:ubiquinone oxidoreductase subunit V3, NADH dehydrogenase [ubiquinone] flavoprotein 3 mitochondrial, Complex I-9kD, CI-9kD, complex I 10kDa subunit, CI-10k, NADH-ubiquinone oxidoreductase 9 kDa subunit, Renal carcinoma antigen NY-REN-4

PRODUCT SPECIFICATION

Molecular Weight

10.8 kDa (97aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA

Purity

> 85% by SDS-PAGE

Tag

His-Tag

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

NDuFV3 is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different



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isoforms have been found for this gene. Recombinant human NDuFV3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

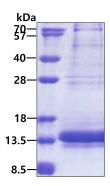
<MGSSHHHHHH SSGLVPRGSH MGS>SAESGKS EKGQPQNSKK QSPPKKPAPV PAEPFDNTTY KNLQHHDYST YTFLDLNLEL SKFRMPQPSS GRESPRH

General References

Hendrickson, S.L., et al. (2010) PLoS ONE 5 (9), E12862 Saito, A., et al. (2009) J. Hum. Genet. 54 (6), 317-323

DATA

SDS-PAGE



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

