

# 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**

&gt; 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

# Recombinant human NDUFV3 protein

Catalog Number: ATGP2345

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

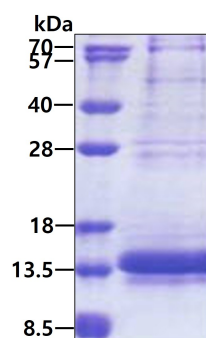
## General References

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.