

# Recombinant human NDUFA4 protein

Catalog Number: ATGP2707

## PRODUCT INFORMATION

---

**Expression system**

E.coli

**Domain**

1-81aa

**UniProt No.**

O00483

**NCBI Accession No.**

NP\_002480

**Alternative Names**

NDUFA4 mitochondrial complex associated, Cytochrome c oxidase subunit NDUFA4, Complex I-MLRQ, CI-MLRQ, NADH-ubiquinone oxidoreductase MLRQ subunit, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4 9kDa, Complex I 9kDa subunit, CI-9k, Cytochrome c oxidase subunit FA4, COXFA4, Mitochondrial respiratory chain associated factor 1, Mitochondrial stress response 1 MRCAF1, MISTR1

## PRODUCT SPECIFICATION

---

**Molecular Weight**

11.8 kDa (104aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

**Purity**

&gt; 80% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE, Denatured

**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**

NDUFA4 belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is

# Recombinant human NDUFA4 protein

Catalog Number: ATGP2707

believed to be ubiquinone. Recombinant human NDUFA4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MLRQIIG QAKKHPSLIP LFVFIGTGAT GATLYLLRLA LFNPDVCWDR  
NNPEPWNKLG PNDQYKFYSV NVDYSKLLKE RPDF

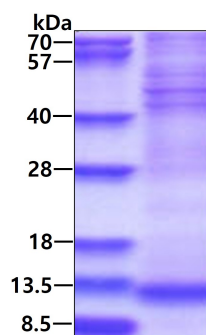
## General References

Kim J.W., Lee Y., et al. (1997), Biochem. Mol. Biol. Int. 43:669-675

## DATA

---

### SDS-PAGE



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