## NKMAXBIO We support you, we believe in your research

## Recombinant human NDUFS3 protein

Catalog Number: ATGP1785

### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

37-264aa

#### **UniProt No.**

075489

#### **NCBI Accession No.**

NP 004542

#### **Alternative Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, Cl-30, NADH:ubiquinone oxidoreductase core subunit S3, Complex I-30kD, Cl-30kD, NADH-ubiquinone oxidoreductase 30 kDa subunit, NADH dehydrogenase (ubiquinone) Fe-S protein 3 30kDa, NADH-coenzyme Q reductase

#### **PRODUCT SPECIFICATION**

### **Molecular Weight**

28.7 kDa (249aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

#### **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**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, also known as NDuFS3, belongs to the complex I 30 kDa subunit family. The multisubunit NADH:ubiquinone oxidoreductase (complex I) is the first enzyme complex in the electron transport chain of mitochondria. The iron-sulfur protein (IP) fraction of complex I is made up of 7 subunits. Recombinant human NDuFS3 protein, fused to His-tag at N-terminus, was expressed in E. coli and



# NKMAXBio We support you, we believe in your research

## Recombinant human NDUFS3 protein

Catalog Number: ATGP1785

purified by using conventional chromatography techniques.

## **Amino acid Sequence**

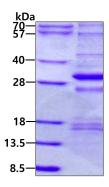
<MGSSHHHHHH SSGLVPRGSH M>ESAGADTRP TVRPRNDVAH KQLSAFGEYV AEILPKYVQQ VQVSCFNELE VCIHPDGVIP VLTFLRDHTN AQFKSLVDLT AVDVPTRQNR FEIVYNLLSL RFNSRIRVKT YTDELTPIES AVSVFKAANW YEREIWDMFG VFFANHPDLR RILTDYGFEG HPFRKDFPLS GYVELRYDDE VKRVVAEPVE LAQEFRKFDL NSPWEAFPVY RQPPESLKLE AGDKKPDAK

#### **General References**

Murray J., et al. (2003) J. Biol. Chem. 278:13619-13622 Saada A., et al. (2009) Am. J. Hum. Genet. 84:718-727

## **DATA**

#### **SDS-PAGE**



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

