

# Recombinant human COX4NB protein

Catalog Number: ATGP1191

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-210aa

### UniProt No.

O43402

### NCBI Accession No.

NP\_006058

### Alternative Names

Neighbor of COX4, NOC4

## PRODUCT SPECIFICATION

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### Molecular Weight

25.9 kDa (230aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

### Purity

> 95% 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

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### Description

Neighbor of COX4, also known as COX4NB, belongs to the uPF0172 (NOC4) family and is found on chromosome 16, adjacent to the gene that encodes COX4. This protein is expressed in liver, pancreas, heart, lung, kidney, brain, skeletal muscle, and placenta. Expression levels are highest in pancreas and moderate in heart, skeletal muscle, and placenta. Recombinant human COX4NB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MPGVKLTTQA YCKMVLHGAK YPHCAVNGLL VAEKQKPRKE HLPLGGPGAH  
HTLFVDCIPL FHGTLALAPM LEVALTLIDS WCKDHSYVIA GYYQANERVK DASPNQVAEK VASRIAEGFS DTALIMVDNT  
KFTMDCVAPT IHVYEHHENR WRCRDPHHDY CEDWPEAQRI SASLLDSRSY ETLVDFDNHL DDIRNDWTNP EINKAVLHLC

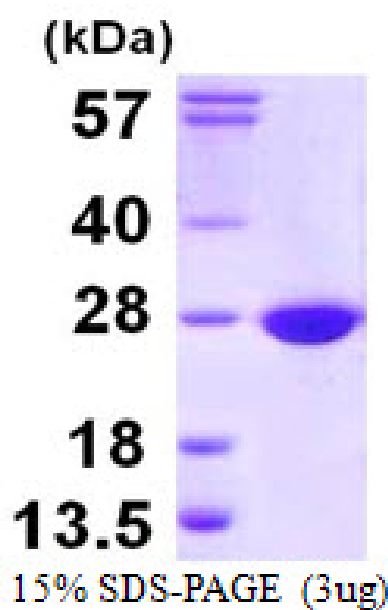
## General References

Bachman N J., et al. (1999) Mamm Genome. 10:506-12.

Hamida C., et al. (1997) Neurogenetics. 1:129-133.

## DATA

### SDS-PAGE



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