

## Recombinant Human COX4NB, His-tagged

**Cat. No.** COX4NB-3628H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human COX4NB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-210 aa).                                                                                                                                                                                           |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>                   | Human                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl                                                                                                                                                                                                                                                                         |
| <b>Molecular Weight</b>         | 25.9 kDa (230aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                   | > 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                       |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MPGVKLTTQA YCKMVLHGAK YPHCAVNGLL<br>VAEKQKPRKE HLPLGGPGA HHTLFVDCIPL FHGTLALAPM LEVALTLIDS<br>WCKDHSYVIA GYYQANERVK DASPQNQVAEK VASRIAEGFS DTALIMVDNT                                                                                                                                                                                  |

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KFTMDCVAPT IHVYEHENR WRCRDPHHDY CEDWPEAQRI SASLLDSRSY  
ETLVDFDNHL DDIRNDWTNP EINKAVLHLC

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

COX4NB COX4 neighbor [ Homo sapiens ]

**Official Symbol**

COX4NB

**Synonyms**

COX4NB; NOC4; C16orf2; C16orf4; FAM158B; COX4 neighbor; neighbor of COX4; OTTHUMP00000175002; family with sequence similarity 158, member B; C16orf4; chromosome 16 open reading frame 2; chromosome 16 open reading frame 4; COX4AL; Protein FAM158B

**Gene ID**

10328

**mRNA Refseq**

NM\_001142288

**Protein Refseq**

NP\_001135760

**MIM**

604886

**UniProt ID**

C9JB21

**Chromosome  
Location**

16q24

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