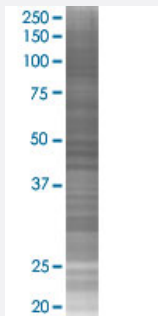


# COX5B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001329-T03

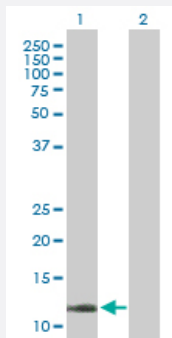
Size 100 uL

## Applications



### SDS-PAGE Gel

COX5B transfected lysate.



### Western Blot

Lane 1: COX5B transfected lysate ( 13.70 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-COX5B full-length

**Host** Human

**Theoretical MW (kDa)** 13.7

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-COX5B antibody ([H00001329-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
COX5B transfected lysate.  
Western Blot  
Lane 1: COX5B transfected lysate ( 13.70 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — COX5B

**Entrez GeneID**[1329](#)**GeneBank Accession#**[NM\\_001862.2](#)**Protein Accession#**[NP\\_001853.2](#)**Gene Name**

COX5B

**Gene Alias**

COXVB

**Gene Description**

cytochrome c oxidase subunit Vb

**Omim ID**[123866](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme. [provided by RefSeq]

**Other Designations**

cytochrome c oxidase polypeptide VB, mitochondrial

## Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

## Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)