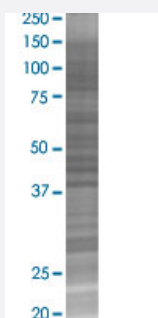


COX5A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009377-T02

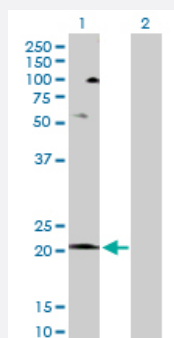
Size 100 uL

Applications



SDS-PAGE Gel

COX5A transfected lysate.



Western Blot

Lane 1: COX5A transfected lysate (16.80 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-COX5A full-length

Host Human

Theoretical MW (kDa) 16.8

Quality Control Testing Transient overexpression cell lysate was tested with Anti-COX5A antibody ([H00009377-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 COX5A transfected lysate.
 Western Blot
 Lane 1: COX5A transfected lysate (16.80 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 — COX5A

Entrez GeneID[9377](#)**GeneBank Accession#**[BC024240.2](#)**Protein Accession#**[AAH24240.1](#)**Gene Name**

COX5A

Gene Alias

COX, COX-VA, VA

Gene Description

cytochrome c oxidase subunit Va

Omim ID[603773](#)**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 of 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 Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22. [provided by RefSeq]

Other Designations

cytochrome c oxidase polypeptide, mitochondrial|mitochondrial cytochrome c oxidase subunit Va

Pathway

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

- [Oxidative phosphorylation](#)