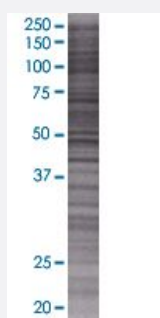


COX11 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001353-T01

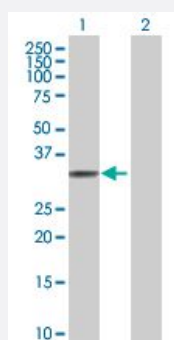
Size 100 uL

Applications



SDS-PAGE Gel

COX11 transfected lysate.



Western Blot

Lane 1: COX11 transfected lysate (30.47 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-COX11 full-length
Host	Human
Theoretical MW (kDa)	30.47
Interspecies Antigen Sequence	Mouse (83); Rat (83)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-COX11 antibody ([H00001353-B02](#)) by Western Blots.
SDS-PAGE Gel
COX11 transfected lysate.
Western Blot
Lane 1: COX11 transfected lysate (30.47 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 — COX11

Entrez GeneID[1353](#)**GeneBank Accession#**[BC005895](#)**Protein Accession#**[AAH05895](#)**Gene Name**

COX11

Gene Alias

COX11P

Gene Description

COX11 homolog, cytochrome c oxidase assembly protein (yeast)

Omim ID[603648](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be a heme A biosynthetic enzyme involved in COX formation, according to the yeast mutant studies. However, the studies in *Rhodobacter sphaeroides* suggest that this gene is not required for heme A biosynthesis, but required for stable formation of the Cu(B) and magnesium centers of COX. This human protein is predicted to contain a transmembrane domain localized in the mitochondrial inner membrane. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene has been found on chromosome 6. [provided by RefSeq]

Other Designations

COX11 homolog|cytochrome c oxidase assembly protein COX11|cytochrome c oxidase subunit 11

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Crohn Disease](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)