

Recombinant Human COX11 293 Cell Lysate

Cat. No. COX11-7337HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for COX11 homolog, cytochrome c oxidase assembly protein (yeast) (COX11), nuclear gene encoding mitochondrial protein, transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

COX11 COX11 cytochrome c oxidase assembly homolog (yeast) [Homo sapiens]

Official Symbol

COX11

Synonyms

COX11; COX11 cytochrome c oxidase assembly homolog (yeast); COX11 (yeast) homolog, cytochrome c oxidase assembly protein; cytochrome c oxidase assembly protein COX11, mitochondrial; COX11P; cytochrome c oxidase assembly protein COX11; cytochrome c oxidase subunit 11; COX11 homolog, cytochrome c oxidase assembly protein;

Gene ID

1353

mRNA Refseq

NM_001162861

Protein Refseq

NP_001156333

MIM

603648

UniProt ID

Q9Y6N1

**Chromosome
Location**

17q22

Pathway

Cytochrome c oxidase, organism-specific biosystem; Cytochrome c oxidase, conserved biosystem; Electron Transport Chain, organism-specific biosystem;

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Metabolic pathways, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem;

Function

copper ion binding; cytochrome-c oxidase activity; electron carrier activity;

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