Recombinant Human COX4I2 cell lysate

Cat. No. COX4I2-388HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It 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 be involved in the regulation and assembly of the complex. This nuclear gene encodes isoform 2 of subunit IV. Isoform 1 of subunit IV is encoded by a different gene, however, the two genes show a similar structural organization. Subunit IV is the largest nuclear encoded subunit which plays a pivotal role in COX regulation.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	COX4I2 cytochrome c oxidase subunit IV isoform 2 (lung) [Homo sapiens]
Official Symbol	COX4I2

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Synonyms	COX4I2; cytochrome c oxidase subunit IV isoform 2 (lung); COX4L2, cytochrome c oxidase subunit IV isoform 2; cytochrome c oxidase subunit 4 isoform 2, mitochondrial; COX4 2; COX4B; COXIV 2; cytochrome c oxidase subunit IV like 2; dJ857M17.2; COX IV-2; cytochrome c oxidase subunit IV-like 2; COX4; COX4-2; COX4L2; COXIV-2;
Gene ID	84701
mRNA Refseq	NM_032609
Protein Refseq	NP_115998
MIM	607976
UniProt ID	Q96KJ9
Chromosome Location	20q11.21
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome c oxidase, organism-specific biosystem; Cytochrome c oxidase, conserved biosystem; Huntingtons disease, organism-specific biosystem;
Function	cytochrome-c oxidase activity;

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