

Recombinant Full Length Human COX4I2 Protein, GST-tagged

Cat. No. COX4I2-2004HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human COX4I2 full-length ORF (AAH57779, 1 a.a. - 171 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	171 amino acids
Description	<p>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. [provided by RefSeq, Jul 2008]</p>
Molecular Mass	44.55 kDa
AA Sequence	MLPRAAWSLVLRKGGGRRGMHSSEGTRGGGKMSPYTNCYAQRYYPMPPEEPF CTELNAEEQALKEKEKGSWTQLTHAEKVALYRLQFNETFAEMNRRSNEWKTVMGC VFFFIGFAALVIWWQRVYVFPPKPITLTDERKAQQLQRMLDMKVNVPVQGLASRWDY

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Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

COX4I2 cytochrome c oxidase subunit IV isoform 2 (lung) [Homo sapiens]

Official Symbol

COX4I2

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

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MIM	607976
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