

Product datasheet for TP300374L

OriGene Technologies, Inc.

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Cytochrome C Oxidase subunit VIc (COX6C) (NM 004374) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cytochrome c oxidase subunit VIc (COX6C), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC200374 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAPEVLPKPRMRGLLARRLRNHMAVAFVLSLGVAALYKFRVADQRKKAYADFYRNYDVMKDFEEMRKAGI

FQSVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 8.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 004365

Locus ID: 1345

UniProt ID: <u>P09669</u>, <u>A0A024R9B7</u>

RefSeq Size: 921

Cytogenetics: 8q22.2





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RefSeq ORF: 225

Summary: Cytochrome c oxidase, 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 subunit VIc, which has 77% amino acid sequence identity with mouse subunit VIc. This gene is up-regulated in prostate cancer cells. A

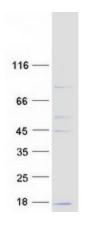
pseudogene has been found on chromosomes 16p12. [provided by RefSeq, Jul 2010]

Protein Families: Transmembrane

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways,

Oxidative phosphorylation, Parkinson's disease

Product images:



Coomassie blue staining of purified COX6C protein (Cat# [TP300374]). The protein was produced from HEK293T cells transfected with COX6C cDNA clone (Cat# [RC200374]) using

MegaTran 2.0 (Cat# [TT210002]).