

Recombinant Human COX6C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COX6C-5309H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COX6C MS Standard C13 and N15-labeled recombinant protein (NP_004365) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	8.8 kDa
AA Sequence	MAPEVLPKPRMRGLLARRLRNHMAVAFVLSLGVAALYKFRVADQRKKAYADFYRNY DVMKDFEEMRKAGIFQSVKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

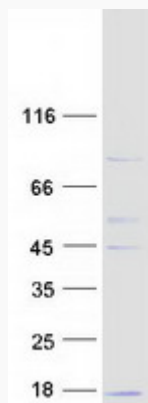
Gene Name	COX6C cytochrome c oxidase subunit VIc [Homo sapiens (human)]
Official Symbol	COX6C
Synonyms	COX6C; cytochrome c oxidase subunit VIc; cytochrome c oxidase subunit 6C; cytochrome c oxidase polypeptide VIc; cytochrome c oxidase subunit VIc preprotein;
Gene ID	1345
mRNA Refseq	NM_004374
Protein Refseq	NP_004365
MIM	124090
UniProt ID	P09669

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SDS-PAGE



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