

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

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

## SPECIFICATION

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

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

## GENE INFORMATION

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

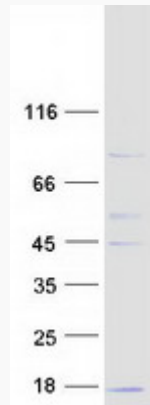
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**SDS-PAGE**



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