

Recombinant Full Length Human COX6B1 Protein

Cat. No. COX6B1-94HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human COX6B1 with N-terminal proprietary tag. Predicted MW 35.20kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	87 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 subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively.</p>
Form	Liquid
Molecular Mass	35.200kDa inclusive of tags
AA Sequence	MAEDMETKIKNYKTAPFDSRFPNQNRNCWQNYLDFHRCQKAMTAKGGDISVCE

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WYQRVYQSLCPTSWVTDWDEQRAEGTFPGKI

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [COX6B1 cytochrome c oxidase subunit VIb polypeptide 1 \(ubiquitous\) \[Homo sapiens \]](#)

Official Symbol [COX6B1](#)

Synonyms COX6B1; cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous); COX6B, cytochrome c oxidase subunit Vib , cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous); cytochrome c oxidase subunit 6B1; COXG

Gene ID [1340](#)

mRNA Refseq [NM_001863](#)

Protein Refseq [NP_001854](#)

MIM [124089](#)

UniProt ID [P14854](#)

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