

Recombinant Full Length Human COX6B1 Protein, C-Flag-tagged

Cat. No. COX6B1-2012HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COX6B1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	10 kDa
AA Sequence	MAEDMETKIKNYKTAPFDSRFPNQNRNCWQNYLDFHRCQKAMTAKGGDISVCE WYQRVYQSLCPTSWV TDWDEQRAEGTFPGKI TRTRPLEQKLISEEDLAANDILDYK

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	DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Full Length	Full L.

GENE INFORMATION

Gene Name	COX6B1 cytochrome c oxidase subunit 6B1 [Homo sapiens (human)]
Official Symbol	COX6B1
Synonyms	COXG; COX6B; MC4DN7; COXVIb1
Gene ID	1340
mRNA Refseq	NM_001863.5

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Protein Refseq	NP_001854.1
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MIM	124089
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UniProt ID	P14854
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Coomassie blue staining of purified COX6B1 protein.

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