Recombinant Human COX6B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COX6B1-1802H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COX6B1 MS Standard C13 and N15-labeled recombinant protein (NP_001854) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	10.2 kDa
AA Sequence	MAEDMETKIKNYKTAPFDSRFPNQNQTRNCWQNYLDFHRCQKAMTAKGGDISVCE WYQRVYQSLCPTSWVTDWDEQRAEGTFPGKITRTRPLEQKLISEEDLAANDILDYK DDDDKV

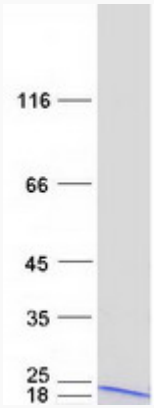
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration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

GENE INFORMATION

Gene Name	COX6B1 cytochrome c oxidase subunit 6B1 [Homo sapiens (human)]
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; COX VIb-1; COX6B; COXVIb1;
Gene ID	1340
mRNA Refseq	NM_001863
Protein Refseq	NP_001854
MIM	124089
UniProt ID	P14854

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SDS-PAGE	

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