

Recombinant Full Length Human COX6B1 Protein, GST-tagged

Cat. No. COX6B1-2011HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX6B1 full-length ORF (AAH01015, 1 a.a. - 86 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	86 amino acids
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. [provided by RefSeq, Jan 2010]
Molecular Mass	35.20 kDa
AA Sequence	MAEDMETKIKNYKTAPFDSRFPNQNQTRNCWQNYLDFHRCQKAMTAKGGDISVCE WYQRVYQSLCPTSWVTDWDEQRAEGTFPGKI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; COX VIb-1; COX6B; COXVIb1
Gene ID	1340
mRNA Refseq	NM_001863
Protein Refseq	NP_001854
MIM	124089

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UniProt ID

P14854

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