

## Recombinant Human COX6B1 Protein, GST-tagged

**Cat. No.** COX6B1-1754H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human COX6B1 full-length ORF ( AAH01015, 1 a.a. - 86 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<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. [provided by RefSeq, Jan 2010]</p>
<b>Molecular Mass</b>	35.20 kDa
<b>AA Sequence</b>	MAEDMETKIKNYKTAPFDSRFPNQNQTRNCWQNYLDFHRCQKAMTAKGGDISVCE WYQRVYQSLCPTSWVTDWDEQRAEGTFPGKI
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	COX6B1 cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous) [ Homo sapiens ]
<b>Official Symbol</b>	COX6B1
<b>Synonyms</b>	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;
<b>Gene ID</b>	1340
<b>mRNA Refseq</b>	NM_001863
<b>Protein Refseq</b>	NP_001854
<b>MIM</b>	124089
<b>UniProt ID</b>	P14854

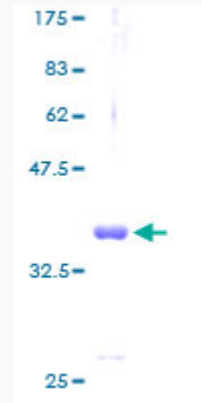
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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