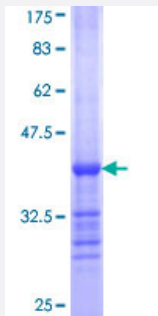


COX6B1 (Human) Recombinant Protein (Q01)

Catalog # H00001340-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human COX6B1 partial ORF (NP_001854, 1 a.a. - 86 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAEDMETKIKNYKTAPFDSRFPNQNQTRNCWQNYLDFHRCQKAMTAKGGDISVCEWYQRVYQS LCPTSWVTDWDEQRAEGTFPGKI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.2
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COX6B1

Entrez GeneID [1340](#)

GeneBank Accession# [NM_001863](#)

Protein Accession# [NP_001854](#)

Gene Name COX6B1

Gene Alias COX6B, COXG

Gene Description cytochrome c oxidase subunit Vlb polypeptide 1 (ubiquitous)

Omim ID [124089](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 Vlb. 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]

Other Designations cytochrome c oxidase subunit Vlb|human cytochrome oxidase subunit Vlb

Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)