

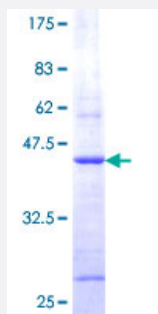
Full-Length

COX5B (Human) Recombinant Protein (P01)

Catalog # H00001329-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human COX5B full-length ORF (AAH06229.1, 1 a.a. - 129 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASRLLRGAGTLAAQALRARGPSGAAAMRSMASGGGVPTDEEQATGLEREIMLAACKGLDPYN VLAPKGASGTREDPNLVPSISNKRIVGCICEEDNTSVVFWLHKGEAQRCPRCGAHYKLVPPQL AH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.82
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 — COX5B

Entrez GeneID [1329](#)

GeneBank Accession# [BC006229.1](#)

Protein Accession# [AAH06229.1](#)

Gene Name COX5B

Gene Alias COXVB

Gene Description cytochrome c oxidase subunit Vb

Omim ID [123866](#)

Gene Ontology [Hyperlink](#)

Gene Summary Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme. [provided by RefSeq]

Other Designations cytochrome c oxidase polypeptide VB, mitochondrial

Pathway

- [Cardiac muscle contraction](#)

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)