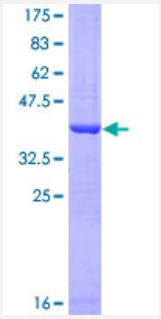
COX17 (Human) Recombinant Protein (Q01)

Catalog # H00010063-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human COX17 partial ORF (NP_005685, 1 a.a. - 63 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPGLVDSNPAPPESQEKKPLKPCCACPETKKARDACIIEKGEEHCGHLIEAHKECMRALGFKI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.67
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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.

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Applications

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

Gene Info — COX17

Entrez GeneID	10063
GeneBank Accession#	NM_005694
Protein Accession#	NP_005685
Gene Name	COX17
Gene Alias	MGC104397, MGC117386
Gene Description	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)
Omim ID	604813
Gene Ontology	Hyperlink
Gene Summary	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be involved in the recruitment of copper to mitochondria for incorporation into the COX apoenzyme. This protein shares 92% amino acid sequence identity with mouse and rat Cox17 proteins. This gene is no longer considered to be a candidate gene for COX deficiency. A pseudogene COX17P has been found on chromosome 13. [provided by RefSeq
Other Designations	COX17 homolog, cytochrome c oxidase assembly protein|human homolog of yeast mitochondrial copper recruitment

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Pathway

- Metabolic pathways
- Oxidative phosphorylation

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