Recombinant Full Length Human COX17 Protein, GST-tagged

Cat. No. COX17-2000HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX17 full-length ORF (NP_005685.1, 1 a.a. - 63 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	63 amino acids
Description	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, Jul 2008]
Molecular Mass	33.3 kDa
AA Sequence	MPGLVDSNPAPPESQEKKPLKPCCACPETKKARDACIIEKGEEHCGHLIEAHKECMR

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	ALGFKI
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	COX17 COX17 cytochrome c oxidase assembly homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	COX17
Synonyms	COX17; COX17 cytochrome c oxidase assembly homolog (S. cerevisiae); COX17 (yeast) homolog, cytochrome c oxidase assembly protein , COX17 homolog, cytochrome c oxidase assembly protein (S. cerevisiae) , COX17 homolog, cytochrome c oxidase assembly protein (yeast); cytochrome c oxidase copper chaperone; human homolog of yeast mitochondrial copper recruitment; MGC104397; MGC117386
Gene ID	10063
mRNA Refseq	NM_005694

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Protein Refseq	NP_005685
MIM	604813
UniProt ID	Q14061

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