

Recombinant Full Length Human COX7C Protein, GST-tagged

Cat. No. COX7C-2017HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX7C full-length ORF (AAH07498, 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 subunit VIIc, which shares 87% and 85% amino acid sequence identity with mouse and bovine COX VIIc, respectively, and is found in all tissues. A pseudogene COX7CP1 has been found on chromosome 13. [provided by RefSeq, Jul 2008]
Molecular Mass	32.56 kDa
AA Sequence	MLGQSIRRFITTSVRRSHYEEGPGKNLPFSVENKWSLLAKMCLYFGSAFATPFLVV RHQLLKT

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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	COX7C cytochrome c oxidase subunit VIIc [Homo sapiens]
Official Symbol	COX7C
Synonyms	COX7C; COX7C_HUMAN; Cytochrome c oxidase polypeptide VIIc; Cytochrome c oxidase subunit 7C; mitochondrial; cytochrome-c oxidase chain VIIc; Cytochrome c oxidase polypeptide VIIc
Gene ID	1350
mRNA Refseq	NM_001867.2
Protein Refseq	NP_001858.1
MIM	603774
UniProt ID	P15954

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