

Recombinant Full Length Human COX7B Protein, GST-tagged

Cat. No. COX7B-2016HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX7B full-length ORF (AAH18386, 1 a.a. - 80 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	80 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 VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22. [provided by RefSeq, Jun 2011]
Molecular Mass	34.43 kDa
AA Sequence	MFPLVKSALNRLQVRSIQQTMARQSHQKRTPDFHDKYGNVLA SGATFCIVTWTYV ATQVGIEWNLSPVGRVTPKEWRNQ
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	COX7B cytochrome c oxidase subunit VIIb [Homo sapiens]
Official Symbol	COX7B
Synonyms	COX7B; cytochrome c oxidase subunit VIIb; cytochrome c oxidase subunit 7B, mitochondrial; cytochrome-c oxidase chain VIIb; cytochrome c oxidase polypeptide VIIb
Gene ID	1349
mRNA Refseq	NM_001866
Protein Refseq	NP_001857
MIM	603792
UniProt ID	P24311

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