Recombinant Full Length Human COX8A Protein, GST-tagged

Cat. No. COX8A-2043HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX8A full-length ORF (NP_004065.1, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	69 amino acids
Description	The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-encoded subunits. [provided by RefSeq, Jul 2008]
Molecular Mass	34 kDa
AA Sequence	MSVLTPLLLRGLTGSARRLPVPRAKIHSLPPEGKLGIMELAVGLTSCFVTFLLPAGWIL SHLETYRRPE
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	COX8A cytochrome c oxidase subunit 8A [Homo sapiens (human)]
Official Symbol	COX8A
Synonyms	COX8A; cytochrome c oxidase subunit 8A; Cytochrome C Oxidase Subunit 8A; Cytochrome C Oxidase Polypeptide VIII-Liver/Heart; Cytochrome C Oxidase Subunit VIIIA (Ubiquitous); Cytochrome C Oxidase Subunit VIII; Cytochrome C Oxidase Subunit 8-2; COX8L; COX8; Cytochrome C Oxidase Subunit 8A, Mitochondrial; Cytochrome C Oxidase Subunit 8A (Ubiquitous); COX8-2; VIII-L; VIII; COX; cytochrome c oxidase subunit 8A, mitochondrial; cytochrome c oxidase polypeptide VIII-liver/heart; cytochrome c oxidase subunit 8-2; cytochrome c oxidase subunit 8A (ubiquitous); cytochrome c oxidase subunit VIII; cytochrome c oxidase subunit VIIIA (ubiquitous); EC 1.9.3.1
Gene ID	1351
mRNA Refseq	NM_004074
Protein Refseq	NP_004065

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MIM	123870
UniProt ID	P10176

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