

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	<p>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]</p>
Molecular Mass	34 kDa
AA Sequence	MSVLTPLLLRLTGSARRLPVPRAKIHSLPPEGKLGIMELAVGLTSCFVTFLLPAGWILSHLETYRRPE
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
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UniProt ID	P10176
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