

Recombinant Human COX8A Protein, GST-tagged

Cat. No. COX8A-1765H 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 | Wheat Germ |
| 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 | MSVLTPLLLRLGLTGSARRLPVPRAKIHSLPPEGKLGIMELAVGLTSCFVTFLLPAGWIL SHLETYRRPE |
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 |
| MIM | 123870 |

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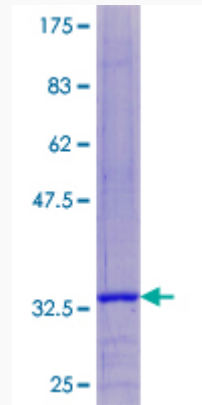
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UniProt ID

P10176

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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