Recombinant Human COX7A1 Protein, GST-tagged

Cat. No. COX7A1-1759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COX7A1 full-length ORF (AAH02757, 1 a.a. - 79 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 polypeptide 1 (muscle isoform) of subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different genes. [provided by RefSeq, Jul 2008]
Molecular Mass	34.43 kDa
AA Sequence	MQALRVSQALIRSFSSTARNRFQNRVREKQKLFQEDNDIPLYLKGGIVDNILYRVTMT LCLGGTVYSLYSLGWASFPRN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

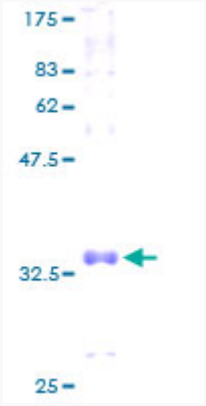
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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	COX7A1 cytochrome c oxidase subunit 7A1 [Homo sapiens (human)]
Official Symbol	COX7A1
Synonyms	COX7A1; cytochrome c oxidase subunit 7A1; Cytochrome C Oxidase Subunit 7A1; Cytochrome C Oxidase Subunit VIIa Polypeptide 1 (Muscle); Cytochrome C Oxidase Subunit VIIa-Muscle 3 4 Cytochrome C Oxidase Subunit VIIa-Heart; Cytochrome C Oxidase Subunit VIIa-H; Cytochrome C Oxidase Subunit VIIa-M; COX7AH; Cytochrome C Oxidase Subunit VIIa Heart/Muscle Isoform; Cytochrome C Oxidase Subunit 7A1, Mitochondrial; COX7AM; COX7A; cytochrome c oxidase subunit 7A1, mitochondrial; cytochrome c oxidase subunit VIIa heart/muscle isoform; cytochrome c oxidase subunit VIIa polypeptide 1 (muscle); cytochrome c oxidase subunit VIIa-H; cytochrome c oxidase subunit VIIa-M; cytochrome c oxidase subunit VIIa-heart; cytochrome c oxidase subunit VIIa-muscle; EC 1.9.3.1
Gene ID	1346
mRNA Refseq	NM_001864

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 Refseq	NP_001855
MIM	123995
UniProt ID	P24310
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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