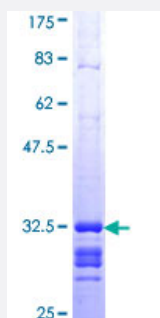


COX7A2 (Human) Recombinant Protein (Q01)

Catalog # H00001347-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human COX7A2 partial ORF (NP_001856, 1 a.a. - 56 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLRNLLALRQIGQRTISTASRRHFKNKVPEKQKLFQEDDEIPLYLKGGVADALLYR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.9
Interspecies Antigen Sequence	Mouse (82)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COX7A2

Entrez GeneID	1347
GeneBank Accession#	NM_001865
Protein Accession#	NP_001856
Gene Name	COX7A2
Gene Alias	COX7AL, COX7AL1, COXVIIa-L, MGC118950, MGC118951, MGC118952, MGC126875, MGC126877
Gene Description	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
Omim ID	123996
Gene Ontology	Hyperlink
Gene Summary	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 2 (liver isoform) of subunit VIIa and the polypeptide 2 is present in both muscle and nonmuscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, present in all tissues. This gene may have several pseudogenes. [provided by RefSeq]
Other Designations	OTTHUMP00000039331 hepatic cytochrome-c oxidase chain VIIa

Pathway

- [Cardiac muscle contraction](#)
- [Oxidative phosphorylation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)