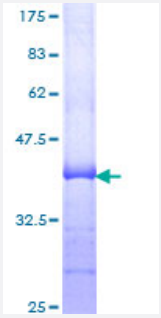
CPT2 (Human) Recombinant Protein (Q01)

Catalog # H00001376-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CPT2 partial ORF (AAH05172, 351 a.a. - 450 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	WFDKSFNLIIAKDGSTAVHFEHSWGDGVAVLRFFNEVFKDSTQTPAVTPQSQPATTDSTVTVQKL NFELTDALKTGITAAKEKFDATMKTLTIDCVQFQR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (82); Rat (77)
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 — CPT2

Entrez GeneID	1376
GeneBank Accession#	BC005172
Protein Accession#	AAH05172
Gene Name	CPT2
Gene Alias	CPT1, CPTASE
Gene Description	carnitine palmitoyltransferase II
Omim ID	255110 600649 600650 608836
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inn er membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-ch ain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-ch ain fatty-acid (LCFA) oxidation disorders. [provided by RefSeq
Other Designations	OTTHUMP00000010493|carnitine O-palmitoyltransferase

Pathway

- Fatty acid metabolism
- PPAR signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Glycogen Storage Disease Type V
- Hypercholesterolemia
- Hypertension
- Hypertrophy
- Muscular Diseases