

Recombinant Human CPT1A

Catalog No: #GP10321



Package Size: #GP10321-1 100ug

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Description

Product Name	Recombinant Human CPT1A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human carnitine palmitoyltransferase 1A (liver)
Target Name	carnitine palmitoyltransferase 1A (liver)
Other Names	CPT1, CPT1-L, L-CPT1
Accession No.	Swissprot:P50416Gene Accession:BC000185
Uniprot	P50416
GeneID	1374;
Storage	-20~-80°C, pH 7.6 PBS

Background

The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergent-labile) and carnitine palmitoyltransferase II (which is located in the inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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