

Carnitine Palmitoyltransferase 1A, Liver (CPT1A) Recombinant Protein | CPT1A recombinant protein

Recombinant Carnitine Palmitoyltransferase 1A, Liver (CPT1A)

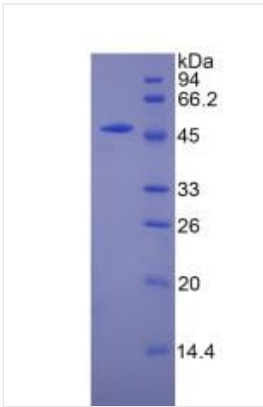
CATALOG # AAA134337	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Carnitine Palmitoyltransferase 1A; Liver (CPT1A); Recombinant Carnitine Palmitoyltransferase 1A; CPT1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIIRYADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLYMDPM CLDAFPKLVC FKKRIEAIPO IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS EF-AFIQLAL QLAHYKDMGK FCLTYEASMT RLFREGRTET VRSCTTESCN FVLAMMDPTT TAEQRFKLFK IACEKHQHLV RLAMTGAGID RHLFCLYVVS KYLAVDSPFL KEVLSEPWRL STSQTPQQQV ELFDPEKYPD YVSCGGGFGP VADDGYGVSY IIVGENFIHF HISSKFSSPE TDSHRFGKHL RQAMMDIITL FGLTANSKK
Sequence Length	773
Applicable Applications for CPT1A recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Ala568-Lys773 (Accession # P97742) with two N-terminal Tags, His-tag and GST-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.



AFI QLAQLAHYK DMGKFCLTYE ASMTRLFREG
RTETVRSCTT ESCNFVLAMM DPTTTAEQRF KLFKIACEKH QHLYRLAMTG
AGIDRHLFCL YVVS KYLAVD SPFLKEVLSE PHRLSTSQTP QQVELFDDE
KYPDYVSCGG GFGPVADDGY GVS YIIVGEN FIHFHISSKF SSPETDSHRF
GKHLRQAMMD IITLFGLTAN SKK

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	162287142
NCBI GeneID	12894
NCBI Accession #	NP_038523.2
NCBI GenBank Nucleotide #	NM_013495.2
UniProt Accession #	P97742; O35288; Q80SW3; Q8BP98; Q8C7H8
Molecular Weight	50.5kDa
NCBI Official Full Name	carnitine O-palmitoyltransferase 1, liver isoform
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1a, liver
NCBI Official Symbol	Cpt1a
NCBI Official Synonym Symbols	CPTI; Cpt1; C730027G07
NCBI Protein Information	carnitine O-palmitoyltransferase 1, liver isoform; CPT I; CPT1-L; CPTI-L; L-CPT I; carnitine palmitoyltransferase 1, liver; carnitine O-palmitoyltransferase I, liver isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, liver isoform
UniProt Gene Name	Cpt1a
UniProt Synonym Gene Names	Cpt-1; Cpt1; CPT1-L; CPT I; CPTI-L
UniProt Entry Name	CPT1A_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.