



Recombinant Rat Carnitine O-palmitoyltransferase 2, mitochondrial (Cpt2)

Product Code	CSB-MP005925RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18886
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SAVSG PDDYLQHSIV PTMHYQDQLP RLPIPKLEDT MKRYLNAQKP LLDDSQFRRT EALCKNFETG VGKELHAHLL AQDKQNKHTS YISGPWFDMY LTARDSIVLN FNPFFMAFNPDK PKSEYNDQLT RATNLTVSAV RFLKTLQAGL LEPEVFHLNP SKSDTDAFKR LIRFVPPSL S WYGAYLVNAY PLDMSQYFRL FNSTRIPRPN RDELFTDTKA RHLLVLRKGH FYVFDVLDQD GNIVNPLEIQ AHLKYILSDS SPVPEFPVAY LTSENRDVWA ELRQKLIFDG NEETLKKVDS AVFCLCLDDF PMKDLIHLSH TMLHGDGTNR WFDKSFNLIV AEDGTA AVHF EHSWGDGVAV LRRFFNEVFRD STQTPAITPQ SQPAATNSSA SVETLSFNLS GALKAGITAA KEKFDTTVKT LSIDSIQFQR GGKEFLKKKQ LSPDAVAQLA FQMAFLRQYG QTVATYESCS TAAFKHGRTE TIRPASIFTK RCSEAFVRDP SKHSVGELQH MMAECSKYHG QLTKEAAMGQ GFDRHLYALR YLATARGLNL PELYLDPAYQ QMNHNILSTS TLNSPAVSLG GFAPVVPDGF GIAYAVHDDW IGCNVSSYSG RNAREFLHCV QKCLEDIFDA LEGKAIKT
Source	Mammalian cell
Target Names	Cpt2
Protein Names	Recommended name: Carnitine O-palmitoyltransferase 2, mitochondrial EC= 2.3.1.21 Alternative name(s): Carnitine palmitoyltransferase II Short name= CPT II
Expression Region	26-658
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.