

Recombinant Human Carnitine O-octanoyltransferase, GST-tagged, Active

Cat. No. CROT-287H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human COT (30-397) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW= 70 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	30-397 a.a.
Description	COT is an oncogene that can activate both the MAP kinase and JNK kinase pathways. COT activates IκappaB kinases and induces the nuclear production of NF-κappaB. C-terminal catalytic domain of KSR2 associates with COT and KSR2 can negatively regulate the kinase activity of COT in vitro. Co-transfection of KSR2 with COT in cells lead to reduced COT-mediated ERK activation and COT-induced IL8 production in a dose-dependent manner.
Sequence	30-397.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	CROT carnitine O-octanoyltransferase [Homo sapiens]
Synonyms	CROT; carnitine O-octanoyltransferase; COT; peroxisomal carnitine acyltransferase; peroxisomal carnitine octanoyltransferase; EC 2.3.1.137
Gene ID	54677
mRNA Refseq	NM_001143935
Protein Refseq	NP_001137407
MIM	606090
UniProt ID	Q9UKG9
Chromosome Location	7q21
Pathway	Metabolism of lipids and lipoproteins
Function	acyltransferase activity; carnitine O-octanoyltransferase activity; transferase activity

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