

Recombinant Human MCCC2 293 Cell Lysate

Cat. No. MCCC2-4428HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for methylcrotonoyl-Coenzyme A carboxylase 2 (beta) (MCCC2), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

MCCC2 methylcrotonoyl-CoA carboxylase 2 (beta) [Homo sapiens]

Official Symbol

MCCC2

Synonyms

MCCC2; methylcrotonoyl-CoA carboxylase 2 (beta); methylcrotonoyl Coenzyme A carboxylase 2 (beta); methylcrotonoyl-CoA carboxylase beta chain, mitochondrial; MCCB; biotin carboxylase; MCCase subunit beta; 3-methylcrotonyl-CoA carboxylase 2; methylcrotonoyl-Coenzyme A carboxylase 2 (beta); 3-methylcrotonyl-CoA:carbon dioxide ligase subunit beta; 3-methylcrotonyl-CoA carboxylase non-biotin-containing subunit; non-biotin containing subunit of 3-methylcrotonyl-CoA carboxylase;

Gene ID

64087

mRNA Refseq

NM_022132

Protein Refseq

NP_071415

MIM

609014

UniProt ID

Q9HCC0

Chromosome Location

5q12-q13

Pathway

Branched-chain amino acid catabolism, organism-specific biosystem; Leucine

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degradation, leucine =>acetoacetate + acetyl-CoA, organism-specific biosystem;
Leucine degradation, leucine => acetoacetate + acetyl-CoA, conserved biosystem;
Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific
biosystem;

Function

ATP binding; ligase activity; methylcrotonoyl-CoA carboxylase activity; nucleotide
binding;

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