

Recombinant Human MCCC1 293 Cell Lysate

Cat. No. MCCC1-4429HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for methylcrotonoyl-Coenzyme A carboxylase 1 (alpha) (MCCC1), 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

MCCC1 methylcrotonoyl-CoA carboxylase 1 (alpha) [Homo sapiens]

Official Symbol

MCCC1

Synonyms

MCCC1; methylcrotonoyl-CoA carboxylase 1 (alpha); methylcrotonoyl Coenzyme A carboxylase 1 (alpha); methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial; MCCA; MCCase subunit alpha; 3-methylcrotonyl-CoA carboxylase 1; methylcrotonoyl-Coenzyme A carboxylase 1 (alpha); 3-methylcrotonyl-CoA:carbon dioxide ligase subunit alpha; 3-methylcrotonyl-CoA carboxylase biotin-containing subunit; MCC-B; FLJ25545; DKFZp686B20267;

Gene ID

56922

mRNA Refseq

NM_020166

Protein Refseq

NP_064551

MIM

609010

UniProt ID

Q96RQ3

Chromosome Location

3q27.1

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; biotin binding; biotin carboxylase activity; ligase activity; metal ion
binding; methylcrotonoyl-CoA carboxylase activity; nucleotide binding;

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