

Recombinant Human MCCC1 Protein, His-tagged

Cat. No. MCCC1-2429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MCCC1 Protein (Ala512-Glu725) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala512-Glu725
Description	This gene encodes the large subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA. Mutations in this gene are associated with 3-Methylcrotonylglycinuria, an autosomal recessive disorder of leucine catabolism.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.4 kDa Accurate Molecular Mass: 29 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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MIM	609010
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UniProt ID	Q96RQ3
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