

Recombinant Human MCCC2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. MCCC2-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MCCC2 MS Standard C13 and N15-labeled recombinant protein (NP_071415) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the small 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2018]
Molecular Mass	61.3 kDa
AA Sequence	MWAVLRLALRPCARASPAGPRAYHGDSVASLGTQPDLGSAlyQENYKQMKALVNQ LHERVEHIKLGGEKARALHISRGKLLPRERIDNLIDPGSPFLELSQFAGYQLYDNEE VPGGGIITGIGRVSGVECMIIANDATVKGGAYYPVTVKKQLRAQEIAMQNRLPCIYLV DSGGAYLPRQADVFPDRDHFGRTFYNQAIMSSKNIAQIAVVMGSC TAGGAYVPAMA DENIIVRKQGTIFLAGPPLVKAATGEEVSAEDLGGADLHCRKSGVSDHWALDDHHAL HLTRKVVRNLNYQKKLDVTIEPSEEPLFPADELYGIVGANLKR SFDVREVIARIVDGS RFTEFKAFYGD LVTGFARIFGYPGVIVGNNGVLFSES AKKGTHFVQLCCQRNIPLLF

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LQNITGFMVGREYEAEGIAKDGAKMVA AVACAQVPKITLIIGGSYGAGNYGMCGRAY
 SPRFLYIWPNARISVMGGEQAANVLATITKQDQRRAREGKQFSSADEAALKEPIIKKFEE
 EGNPYYSARVWDDGIIDPADTRLVLGLSFSAALNAPIEKTDGIFRMTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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

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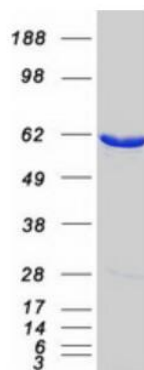
mRNA Refseq [NM_022132](#)

Protein Refseq [NP_071415](#)

MIM [609014](#)

UniProt ID [Q9HCC0](#)

SDS-PAGE



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