

## Product datasheet for TP309488M

### MCCC2 (NM\_022132) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human methylcrotonoyl-Coenzyme A carboxylase 2 (beta) (MCCC2), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209488 protein sequence Red=Cloning site Green=Tags(s)

MWAVLRLALRPCARASPAGPRAYHGDSVASLGTQPDLGSAFYQENYKQMKALVNQLHERVEHIKLGGEK  
ARALHISRGKLLPRERIDNLIDPGSPFLELSQFAGYQLYDNEEVPGGIITGIGRVSGVECMIIANDATV  
KGGAYYPVTVKKQLRAQEIAMQNRLPCIYLVDSGGAYLPRQADVFPDRDHFGRTFYFNQAIMSSKNIAQIA  
VVMGSCTAGGAYVPAMADENIIVRKQGTIFLAGPPLVKAATGEEVSAEDLGGADLHCRKSGVSDHWALDD  
HHALHLTRKVVRLNLYQKKLDVTIEPSEELFPADELYGIVGANLKRSDVREVIARIVDGSRFTEFKAF  
YGDTLVTGFARIFGYPVGIVGNNGVLFSESAKKGFVQLCCQRNIPLLFLQINITGFMVGREYEAEGIAK  
DGAKMVAAVACAQVPKITLIIGGSYGAGNYGMCGRAYSPRFLYIWPNARISVMGGEQAANVLATITKDQR  
AREGKQFSSADEAALKEPIIKKFEEEGNPYYSSARVWDDGIIDPADTRLVLGLSFAALNAPIEKTDGFI  
FRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

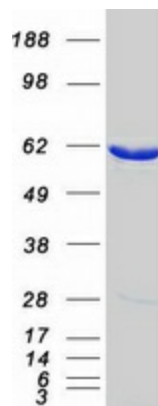
Tag:	C-Myc/DDK
Predicted MW:	61.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_071415</a>
<b>Locus ID:</b>	64087
<b>UniProt ID:</b>	<a href="#">Q9HCC0</a> , <a href="#">A0A140VK29</a>
<b>RefSeq Size:</b>	3696
<b>Cytogenetics:</b>	5q13.2
<b>RefSeq ORF:</b>	1689
<b>Synonyms:</b>	MCCB; MCCCbeta
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified MCCC2 protein (Cat# [TP309488]). The protein was produced from HEK293T cells transfected with MCCC2 cDNA clone (Cat# [RC209488]) using MegaTran 2.0 (Cat# [TT210002]).