

Product datasheet for PH309488

MCCC2 (NM_022132) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MCCC2 MS Standard C13 and N15-labeled recombinant protein (NP_071415)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209488
Predicted MW:	61.3 kDa
Protein Sequence:	>RC209488 protein sequence Red=Cloning site Green=Tags(s)

MWAVLRLALRPCARASAPGPRAYHGDSVASLGTQPDLSALYQENYKQMKALVNQLHERVEHIKLGGEK
ARALHISRKLLPRERIDNLDPGSPFLELSQFAGYQLYDNEEVPGGGIITGIGRVSGVECMIIANDATV
KGGAYYPVTYKQLRAQEIAMQNRLPCIYLVDSGGAYLPRQADVFPDRDHFGRTFYNQAIMSSKNIAQIA
VVMGSCTAGGAYVPAMADENIIVRKQGTIFLAGPPLVKAATGEEVSAEDLGGADLHCRKSGVSDHWALDD
HHALHLTRKVVRLNYQKLDVTIEPSEEPLFPADEL YGIVGANLKRSDVREVIARIVDGSRFTEFKAF
YGDTLVTGFARIFGYYPVIGVNGVLFSESAKKGTHFVQLCCQRNIPLLFQONITGMVGREYEAEQIAK
DGAKMVAAVACAQVPKITLIIGGSYGAGNYGMCGRAYS PRFLYIWPNARISVMGGEQAANVLATITKDQR
AREGKQFSSADEAALKEPIIKKFEEEGNPYYSSARVWDDGIIDPADTRLVLGLSFSALNAPIEKTDGFI
FRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_071415
RefSeq Size:	3696
RefSeq ORF:	1689



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Synonyms: MCCB; MCCCbeta

Locus ID: 64087

UniProt ID: [Q9HCC0](#), [A0A140VK29](#)

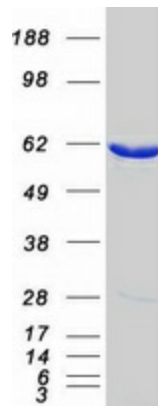
Cytogenetics: 5q13.2

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: 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]).