

Product datasheet for **RC209488L4V**

MCCC2 (NM_022132) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MCCC2 (NM_022132) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MCCC2
Synonyms:	MCCB; MCCCbeta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022132
ORF Size:	1689 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209488).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_022132.3 , NP_071415.1
RefSeq Size:	3696 bp
RefSeq ORF:	1692 bp
Locus ID:	64087
UniProt ID:	Q9HCC0
Cytogenetics:	5q13.2
Domains:	Carboxyl_trans
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Valine, leucine and isoleucine degradation

MW: 61.3 kDa

Gene 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]