



# Recombinant Human Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial (MCCC2)

<b>Product Code</b>	CSB-YP867199HU
<b>Abbreviation</b>	MCCC2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9HCC0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	YHGDSVAS LGTQPDLGSA LYQENYKQMK ALVNQLHERV EHIKLGGEK ARALHISRGK LLPRERIDNL IDPGSPFLEL SQFAGYQLYD NEEVPGGGII TGIGRVSGVE CMIIANDATV KGGAYYPVTV KKQLRAQEIA MQNRLPCIYL VDSSGGAYLPR QADVFPDRDH FGRTFYNQAI MSSKNIAQIA VVMGSCTAGG AYVPAMADEN IIVRKQGTIF LAGPPLVCAA TGEEVSAEDL GGADLHCRKS GVSDHWALDD HHALHLTRKV VRNLNYQKKL DVTIEPSEEP LFPADELYGI VGANLKRSD VREVIARIVD GSRFTEFKAF YGDTLVTGFA RIFGYVGVIV GNNGVLFSES AKKGTHFVQL CCQRNIPLLF LQNITGFMVG REYEAEGIAK DGAKMVAAVA CAQVPKITLI IGGSYGAGNY GMCGRAYSPR FLYIWPNARI SVMGGEQAAN VLATITKDQR AREGKQFSSA DEAAALKEPII KKFEEEGNPY YSSARVWDDG IIDPADTRLV LGLSFSAALN APIEKTDGFI FRM
<b>Source</b>	Yeast
<b>Target Names</b>	MCCC2
<b>Protein Names</b>	Recommended name: Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial Short name= MCCase subunit beta EC= 6.4.1.4 Alternative name(s): 3-methylcrotonyl-CoA carboxylase 2 3-methylcrotonyl-CoA carboxylase non-biotin-containin
<b>Expression Region</b>	23-563
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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.



---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.