Recombinant Human Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial (MCCC1)

Product Code	CSB-YP853497HU
Abbreviation	MCCC1
Storage	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.
Uniprot No.	Q96RQ3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	TTATGRNIT KVLIANRGEI ACRVMRTAKK LGVQTVAVYS EADRNSMHVD MADEAYSIGP APSQQSYLSM EKIIQVAKTS AAQAIHPGCG FLSENMEFAE LCKQEGIIFI GPPPSAIRDM GIKSTSKSIM AAAGVPVVEG YHGEDQSDQC LKEHARRIGY PVMIKAVRGG GGKGMRIVRS EQEFQEQLES ARREAKKSFN DDAMLIEKFV DTPRHVEVQV FGDHHGNAVY LFERDCSVQR RHQKIIEEAP APGIKSEVRK KLGEAAVRAA KAVNYVGAGT VEFIMDSKHN FCFMEMNTRL QVEHPVTEMI TGTDLVEWQL RIAAGEKIPL SQEEITLQGH AFEARIYAED PSNNFMPVAG PLVHLSTPRA DPSTRIETGV RQGDEVSVHY DPMIAKLVVW AADRQAALTK LRYSLRQYNI VGLHTNIDFL LNLSGHPEFE AGNVHTDFIP QHHKQLLLSR KAAAKESLCQ AALGLILKEK AMTDTFTLQA HDQFSPFSSS SGRRLNISYT RNMTLKDGKN NVAIAVTYNH DGSYSMQIED KTFQVLGNLY SEGDCTYLKC SVNGVASKAK LIILENTIYL FSKEGSIEID IPVPKYLSSV SSQETQGGPL APMTGTIEKV FVKAGDKVKA GDSLMVMIAM KMEHTIKSPK DGTVKKVFYR EGAQANRHTP LVEFEEEESD KRESE
Source	Yeast
Target Names	MCCC1
Protein Names	Recommended name: Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial Short name= MCCase subunit alpha EC= 6.4.1.4 Alternative name(s): 3-methylcrotonyl-CoA carboxylase 1 3-methylcrotonyl-CoA carboxylase biotin-containin
Expression Region	42-725
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes the large 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.