

Recombinant Human MCEE, His-tagged

Cat. No. MCEE-29452TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MCEE with an N terminal His tag; 161 amino acids with a predicted MWt 17.3kDa including tag,.
Species	Human
Source	E.coli
ProteinLength	140 amino acids
Description	The product of this gene catalyzes the interconversion of D- and L-methylmalonyl-CoA during the degradation of branched chain amino acids. odd chain-length fatty acids, and other metabolites. Mutations in this gene result in methylmalonyl-CoA epimerase deficiency, which is presented as mild to moderate methylmalonic aciduria.
Conjugation	HIS
Molecular Weight	17.300kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, 0.1mM PMSF, pH 8.0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMQVTGSVWNLGRLNHVAIAVPDLEKAAAFYKNILG AQVSEAVPLPEHGVSVFVNLGNTKMELLHPLGRDSPIAGFLQKNKAGGMHHICIEV DNINAAVMDLKKKKIRSLSEEVKIGA HGKPVIFLHPKDCGGVLVELEQA
Sequence Similarities	Belongs to the glyoxalase I family.

GENE INFORMATION

Gene Name	MCEE methylmalonyl CoA epimerase [Homo sapiens]
Official Symbol	MCEE
Synonyms	MCEE; methylmalonyl CoA epimerase; methylmalonyl-CoA epimerase, mitochondrial; GLOD2; glyoxalase domain containing 2;
Gene ID	84693
mRNA Refseq	NM_032601
Protein Refseq	NP_115990
MIM	608419
Uniprot ID	Q96PE7
Chromosome Location	2p13.3

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Pathway	2-oxobutanoate degradation I, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	isomerase activity; methylmalonyl-CoA epimerase activity;

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