

AR09690PU-L**Human MCEE (37-176, His-tag) - Purified**

Alternate names:	DL-methylmalonyl-CoA racemase, mitochondrial Methylmalonyl-CoA epimerase
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	MCEE 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. This protein deficiency is an autosomal recessive inborn error of amino acid metabolism, involving valine, threonine, isoleucine and methionine. This organic aciduria may present in the neonatal period with life-threatening metabolic acidosis, hyperammonemia, feeding difficulties, pancytopenia and coma.
Uniprot ID:	Q96PE7
NCBI:	NP_115990
GeneID:	84693
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 1mM DTT, 0.1mM PMSF, 10% glycerol
Description:	Recombinant human MCEE protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> SSGLVPRGSH MQVTGSVWNL GRLNHVAIAV PDLEKAAAFY KNILGAQVSE AVPLPEHGVS VVFNVLGNTK MELLHPLGRD SPIAGFLQKN KAGGMHHICI EVDNINAAVM DLKKKKIRSL SEEVKIGAAG KPVIFLHPKD CGGVLVELEQ A Molecular weight: 17.3 kDa (161aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Yang GE., et al. (2009) Appl Biochem Biotechnol. 152(3):353-65. Grading AB., et al. (2007) Hum Mutat. 28(10):1045.

Pictures:

Recombinant human MCEE, 37-176 aa,
His-tagged

