

32-8462: Recombinant Human Methylmalonyl-CoA Epimerase/MCEE (C-6His)(Discontinued)

Gene : MCEE
Gene ID : 84693
Uniprot ID : Q96PE7

Description

Source: Human Cells.
MW :16kD.

Recombinant Human Methylmalonyl-CoA epimerase is produced by our Mammalian expression system and the target gene encoding Gln37-Ala176 is expressed with a 6His tag at the C-terminus. Methylmalonyl-CoA epimerase, mitochondrial(MCEE)is an enzyme which belongs to the glyoxalase I family. It converts (S)-methylmalonyl-CoA to the (R) form, catalyses the following chemical reaction: (R)-methylmalonyl-CoA (S)-methylmalonyl-CoA. It plays an important role in the catabolism of fatty acids with odd-length carbon chains. This protein deficiency is an autosomal recessive inborn error of AA metabolism, involving valine, threonine, isoleucine and methionine. This organic aciduria can appear in the neonatal period with life-threatening metabolic acidosis, hyperammonemia, feeding difficulties, pancytopenia and coma.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mM DTT,10%Glycerol,pH7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : QVTGSVWNLGRLNHVAIAVPDLEKAAAFYKNILGAQVSEAVPLPEHGVSVVFNLGNTKMELLHPLGLD SPIAG FLQKNKAGGMHHICIEVDNINAAMDLK KKKIRSLSEEVKIGAHGKPVIFLHPKDCGGV LVELEQALDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.