Recombinant Human Methylmalonyl-CoA Epimerase/MCEE Protein(C-6His)

Cat.NO.: TP04716

3th Edition

Synonyms: Methylmalonyl-CoA epimerase; mitochondrial;DL-methylmalonyl-CoA racemase

Description: 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.

Form:PBS

Molecular Weight:16.0 kDa

Sequences: Gln37-Ala176

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.