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32-2524: MCEE Recombinant Protein

Alternative Name : GLOD2,Methylmalonyl CoA Epimerase,Glyoxalase Domain Containing 2,DL-methylmalonyl-CoA Racemase.

Description

Source : Escherichia Coli. MCEE produced in E.Coli is a single, non-glycosylated polypeptide chain containing 161 amino acids (37-176a.a.) and having a molecular mass of 17.3kDa.MCEE is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MCEE catalyzes the interconversion of D- and L-methylmalonyl-CoA throughout the degradation of branched chain amino acids, odd chain-length fatty acids, and other metabolites. MCEE protein deficiency is an autosomal recessive inborn error of amino acid 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 :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The MCEE protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 1mM DTT, 0.1mM PMSF and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MQVTGSVWNL GRLNHVAIAV PDLEKAAAFY KNILGAQVSE AVPLPEHGVS VVFVNLGNTK MELLHPLGRD SPIAGFLQKN KAGGMHHICI EVDNINAAVM DLKKKKIRSL SEEVKIGAHG KPVIFLHPKD CGGVLVELEQ A

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