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MCEE Human

Catalog #:ENPS-020

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MQVTGSVWNL GRLNHVAIAV PDLEKAAAFY KNILGAQVSE AVPLPEHGVS VVFVNLGNTK MELLHPLGRD SPIAGFLQKN KAGGMHHICI EVDNINAAVM DLKKKKIRSL SEEVKIGAHG KPVIFLHPKD CGGVLVELEQ A

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The MCEE protein solution (1mg/1ml) is formulated 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 1mM DTT, 0.1mM PMSF and 10% glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
MCEE catalyzes the interconversion of D- and L-methylmalonyl-CoA throμghout 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.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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