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HMGCL Human, Sf9

Alternative Name :	3-Hydroxymethyl-3-Methylglutaryl-CoA Lyase, 3-Hydroxymethyl-3-Methylglutaryl-Coenzyme A Lyase, 3-Hydroxy-3-Methylglutarate-CoA Lyase, Hydroxymethylglutaricaciduria, HMG-CoA Lyase, EC 4.1.3.4, HL, Mitochondrial 3-Hydroxy-3-Methylglutaryl-CoA Lyase, Hydroxy

Description

Source: Sf9, Baculovirus cells.Sterile Filtered colorless solution.Hydroxymethylglutaryl-CoA lyase (HMGCL) is a mitochondrial matrix protein which is a member of the HMG-CoA lyase family. HMGCL is a homodimer and participates in leucine catabolism and ketogenesis, the hepatic synthesis of ketone bodies which, during fasting, provides a major Source: of energy for the heart, brain and kidney. More precisely, HMGCL catalyzes the final step of these processes, the cleavage of 3-hydroxy-3-methylglutaryl-CoA to acetoacetic acid and acetyl-CoA.HMGCL Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 305 amino acids (28-325 a.a.) and having a molecular mass of 32.5kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). HMGCL is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg
purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	HMGCL protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT.
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 storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.