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32-2441: HMGCL Recombinant Protein

Alternative Name : Hydroxymethylglutaryl-CoA lyase mitochondrial,HL,HMG-CoA lyase,3-hydroxy-3-methylglutarate-CoA lyase,HMGCL.

Description

Source : Escherichia Coli. HMGCL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 323 amino acids (28-325) and having a molecular mass of 34.2kDa.HMGCL is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The HMGCL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMTLPKR VKIVEVGPRD GLQNEKNIVS TPVKIKLIDM LSEAGLSVIE TTSFVSPKWV PQMGDHTEVL KGIQKFPGIN YPVLTPNLKG FEAAVAAGAK EVVIFGAASE LFTKKNINCS IEESFQRFDA ILKAAQSANI SVRGYVSCAL GCPYEGKISP AKVAEVTKKF YSMGCYEISL GDTIGVGTPG IMKDMLSAVM QEVPLAALAV HCHDTYGQAL ANTLMALQMG VSVVDSSVAG LGGCPYAQGA SGNLATEDLV YMLEGLGIHT GVNLQKLLEA GNFICQALNR KTSSKVAQAT CKL.

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