

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 TPKIKLIDM LSEAGLSVIE TTSFVSPKWV PQMGDHTEV L KGIQKFPGIN YPVLTPNLKG FEAAVAAGAK EVVIFGAASE LFTKKNINCS IEESFQRFDA ILKAAQSANI SVRGYVSCAL GCPYEGKISP AKVAEVTKKF YSMGCYEISL GDTIGVGTPG IMKDMLSAVM QEVPLAALAV HCHDTYGQAL ANTLMALQMG VSVVDSSVAG LGGCPYAQGA SGNLATEDLV YMLEGLGIHT GVN LQKLLEA GN FICQALNR KTSSKVAQAT CKL.

