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HMGCL, 28-325aa, Human, His tag, E.coli

产品货号: TP02471

第三版

别名: Hydroxymethylglutaryl-CoA lyase, HL

描述: HMGCL, also known as hydroxymethylglutaryl-CoA lyase, is a mitochondrial matrix protein that belongs to the HMG-CoA lyase family. It exists as a homodimer and participates in leucine catabolism and ketogenesis, the hepatic synthesis of ketone bodies that, during fasting, provide a major source of energy for heart, brain and kidney. More specifically, it catalyzes the final step of these processes, the cleavage of 3-hydroxy-3-methylglutaryl-CoA to acetoacetic acid and acetyl-CoA.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

分子量: 34.2 kDa (323aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSHMTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWV
PQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNINCSIEESFQRFDAILKAAQSANISV
RGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDITIGVGTGPGIMKDMLSAVMQEVPLAALAVHCHDTYGGQALA
NTLMALQMGVSVVDSSVAGLGGCPYAQQASGNLATEDLVYMLEGLGIHTGVNLQKLEAGNFICQALNRKTSSKVAQA
TCKL

纯度: > 95% by HPLC

浓度: 1.0 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.