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HADHB, 34-474aa, Human, His tag, E.coli

产品货号: TP02395

第三版

别名:Trifunctional enzyme subunit beta, mitochondrial, ECHB, MSTP029, MTPB, TP-BETA

**描述:**HADHB is the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. This protein can also bind RNA and decreases the stability of some mRNAs. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation. Mutations in this gene result in trifunctional protein deficiency. Recombinant human HADHB protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:**Liquid, In 20mM phosphate (pH8.0) containing 10% glycerol

**分子量:**49.9 kDa (464aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSAAPAVQTKKTLAKPNIRNVVVVDGVRTPFLLSGTSYKDLMPHDLARAALTGLL  
HRTSVPKEVVVDYIIFGTVIQEVKTSNVAREAALGAGFSDKTPAHTVTMACISANQAMTTGVGLIASGQCDDVIVAGGVEL  
MSDVPIRHSRKMRLMLDLNKAKSMGQRLSLISKFRFNFLAPELPAVSEFSTSETMGHSADRLAAAFVSRLEQDEYALRSH  
SLAKKAQDEGLLSDVVPFKVPGKDTVTKDNGIRPSSLEQMAKLKPAFIKPYGTVTAANSSFLTDGASAMLI MAEEKALAMG  
YKPKAYLRDFMYVSQDPKDLLLGPYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANFKAMDSDWFAENYMRKTKV  
GLPPLEKFNNWGGSLSLGHPFGATGCRVMAAANRLRKEGGQYGLVAACAAGGQGHAMIVEAYPK

**纯度:**> 95% by HPLC

**浓度:**0.5 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.