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ACAD8, 23-415aa, Human, His tag, E.coli

产品货号: TP01024

第三版

**别名:** isobutyryl-CoA dehydrogenase, mitochondrial, ACAD-8, ARC42, Activator-recruited cofactor 42 kDa component, Acyl-CoA dehydrogenase family member 8, IBD

**描述:** ACAD8 is a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. The protein is a mitochondrial enzyme that functions in catabolism of the branched-chain amino acid valine. Defects in this gene are the cause of isobutyryl-CoA dehydrogenase deficiency. Recombinant human ACAD8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

**分子量:** 45.1kDa (416aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSLVQTGHRSLTSCIDPSMGLNEEQKEFQKVAFDFAAREMAPNMAEWDQKELFPVD  
VMRCAAQLGFGGVYIQTDVGGSLRLDTSVIFEALATGCTSTTAYISIHNMCAWMIDSGNNEEQRHKFCPLCTMEKFA  
SYCLTEPGSGSDAASLLTSAKKQGDHYILNGSKAFISGAGESDIYVVMCRTGGPGPKGISCIVVEKGTPLSFGKKEKKVGVW  
NSQPTRAVIFEDCAVPVANRIGSEGQGFLLIAVRGLNGGRINIASCSLGAHASVILTRDHLNVRKQFGEPLASNQYLQFTLA  
DMATRLVAARLMVRNAAVALQEERKDAVALCSMAKLFATDECFAICNQALQMHHGGYGYLKDYAVQQYVRDSRVHQI  
LEGSNEVMRILISRSLLQE

**纯度:** > 95% by HPLC

**浓度:** 0.25mg/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.