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IVD, 33-426aa, Human, His tag, E.coli

产品货号: TP02701

第三版

别名:Isovaleryl-CoA dehydrogenase, mitochondrial, ACAD2

描述:IVD (Isovaleryl Coenzyme A dehydrogenase) is a mitochondrial matrix enzyme that belongs to the acyl-CoA dehydrogenase family. IVD is a homotetrameric flavoenzyme which catalyzes the conversion of isovaleryl-CoA to 3-methylcrotonyl-CoA. Defects of the IVD gene lead to ineffective isoforms that are the underlying cause of isovaleric acidemia. Recombinant human IVD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT,10% glycerol

分子量:45.3 kDa (415aa)

序列:

MGSSHHHHHHSSGLVPRGSHMHSLPVDDAINGLSEEQRQLRQTMAKFLQEHLAPKAQEIDRSNEFKNLREFWKQLGN
LGVLGITAPVQYGGSGLYLEHVLVMEEISRASGAVGLSYGAHSNLCINQLVRNGNEAQKEKYLPKLISGEYIGALAMSEP
NAGSDVVSMKLAEEKGNHYILNGNKFWITNGPDADVLIYAKTDLAAVPASRGITAFIVEKGMPGFSTSKKLDKLGMR
GSNTCELIFEDCKIPAANILGHENKGVYVLMGSLDLRLVLAGGPLGLMQAVLDHTIPYLVHREAFGQKIGHFQLMQGK
MADMYTRLMACRQYVYNVAKACDEGHCTAKDCAGVILYSAECATQVALDGIQCFGGNGYINDFPMGRFLRDAKLYEI
GAGTSEVRRLVIGRAFADFH

纯度:> 95% by HPLC

浓度:1 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.