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GCDH, 45-438aa, Human, His tag, E.coli

产品货号: TP02208

第三版

别名: Glutaryl-CoA dehydrogenase, ACAD5, GCD

描述: Glutaryl-CoA dehydrogenase (GCDH) belongs to the acyl-CoA dehydrogenase family. GCDH catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO<sub>2</sub> in the degradative pathway of Llysine, L-hydroxylysine, and L-tryptophan metabolism. This Protein uses electron transfer flavoprotein as its electron acceptor. The enzyme exists in the mitochondrial matrix as a homotetramer of 45-kD subunits.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 5mM DTT, 200mM NaCl

分子量: 45.8kDa (415aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHHSSGLVPRGSHMRPEFDWQDPLVLEEQLTTDEILIRDTRTYCQERLMPRILLANRNEVFHREIISEMGELG
VLGPTIKGYGCAGVSSVAYGLLARELERVDSGYRSAMSVQSSVMHPIYAYGSEEQRQKYLPLAKGELLGCFGLTEPNSSGS
DPSSMETRAHYNSSNKSYTLNGTKTWITNSPMADLFVWARCEDGCIRGFLLEKGMRGLSAPRIQGFSLRASATGMIIM
DGVEVPEENVLPGASSLGGPFGLNARYGIAWGVLGASEFCLHTARQYALDRMQFGVPLARNQLIQKKLADMLTEITL
GLHAQLQLGRLKDQDKAAPMVSLKRNNGKALDIARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALI
LGRAITGIQAFTASK
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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.