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## 32-2353: GCDH Recombinant Protein

**Alternative Name :** ACAD5,GCD,EC 1.3.99.7,GCDH,Glutaryl-Coenzyme A Dehydrogenase,glutaryl-CoA dehydrogenase.

## Description

Source : Escherichia Coli. GCDH Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 415 amino acids (45-438 a.a.) and having a molecular mass of 45.8 kDa. The GCDH is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. GCDH is part of the acyl-CoA dehydrogenase family. GCDH is localized in the mitochondrial matrix as a homotetramer of 45-kD subunits. GCDH catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. GCDH uses electron transfer flavoprotein as its electron acceptor.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | 0.5mg/ml solution containing 20mM Tris-HCl, pH-8, 5mM DTT, 0.2M NaCl & 20% glycerol. |
| **Storage condition :** | GCDH Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MRPEFDWQDP LVLEEQLTTD EILIRDTFRT YCQERLMPRI LLANRNEVFH REIISEMGEL GVLGPTIKGY GCAGVSSVAY GLLARELERV DSGYRSAMSV QSSLVMHPIY AYGSEEQRQK YLPQLAKGEL LGCFGLTEPN SGSDPSSMET RAHYNSSNKS YTLNGTKTWI TNSPMADLFV VWARCEDGCI RGFLLEKGMR GLSAPRIQGK FSLRASATGM IIMDGVEVPE ENVLPGASSL GGPFGCLNNA RYGIAWGVLG ASEFCLHTAR QYALDRMQFG VPLARNQLIQ KKLADMLTEI TLGLHACLQL GRLKDQDKAA PEMVSLLKRN NCGKALDIAR QARDMLGGNG ISDEYHVIRH AMNLEAVNTY EGTHDIHALI LGRAITGIQA FTASK. |

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