

## 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

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