

Glutaryl-Coenzyme A Dehydrogenase Human Recombinant

Item Number	rAP-1019
Synonyms	ACAD5, GCD, EC 1.3.99.7, GCDH, Glutaryl-Coenzyme A Dehydrogenase, glutaryl-CoA dehydrogenase.
Description	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.
Uniprot Accession Number	Q92947
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MRPEFDWQDP LVLEEQLTTD EILIRDFTRT YCQERLMPRI LLANRNE-VFH REIISEMGEL GVLGPTIKGY GCAGVSSVAY GLLARELERV DSGYRSAMSV QSSLVMHPIY AYGS-EEQRQK YLPQLAKGEL LGCFGLTEPN SGSDPSSMET RAHYNSSNKS YTLNGTKTWI TNSPMADLFV VWARCEDGCI RGFLLEKGM R GLSAPRIQ GK FSLRASATGM IIMDGVEVPE ENVLPGASSL GGPFGCLN-NA RYGIAGVVLG ASEFCLHTAR QYALDRMQFG VPLARNQLIQ KKLADMLTEI TLGLHACLQL GRLKDQDKAA PEMVSLKRN NCGKALDIAR QARDMLGGNG ISDEYHVIRH AMNLEAVNTY EGT HDIHALI LGRAITGIQA FTASK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	0.5mg/ml solution containing 20mM Tris-HCl, pH-8, 5mM DTT, 0.2M NaCl & 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**