

## Recombinant Human GCDH Protein

Catalog #	Source	Reactivity	Applications
CRP1606	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human GCDH Protein is produced by our E. coli expression system and the target gene encoding Arg45-Lys438 is expressed with a 6His tag at the N-terminus.		
<b>Form</b>	Liquid in a 0.2 µM filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.		
<b>Gene Symbol</b>	GCDH		
<b>Alternative Names</b>	Glutaryl-CoA dehydrogenase mitochondrial; GCD		
<b>Entrez Gene</b>	2639 (Human)		
<b>SwissProt</b>	Q92947 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MNHKVVHHHH HMRPEFDWQD PLVLEEQLTT DEILIRDTR TYCQERLMMPR ILLANRNEVF  HREIISEMGE LGVLGPTIKG YGCAGVSSVA YGLLARELER VDSGYRSAMS VQSSLVMHPI  YAYGSEEQRQ KYLPQLAKGE LLGCFGLTEP NSGSDPSSME TRAHYNSSNK SYTLNGTKTW  ITNSPMADLF VVWARCEDGC IRGFLLEKGM RGLSAPRIQG KFSLRASATG MIIMDGVEVP  EENVLPGASS LGGPFGCLNN ARYGIAWGVL GASEFCLHTA RQYALDRMQF GVPLARNQLI  QKKLADMLTE ITLGLHACLQ LGRLKDQDKA APEMVSLKLR NNCGKALDIA RQARDMLGGN  GISDEYHVIR HAMNLEAVNT YEGTHDIHAL ILGRAITGIQ AFTASK</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)