

Product Data Sheet

Recombinant Human GCDH Protein

Catalog #	Source	Reactivity	Applications
CRP1606	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human GCDH Protein is produced by E. coli expression system and the target gene encoding Arg45-Lys438 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.		
Gene Symbol	GCDH		
Alternative Names	Glutaryl-CoA dehydrogenase mitochondrial; GCD		
Entrez Gene	2639 (Human)		
SwissProt	Q92947 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	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		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

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

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