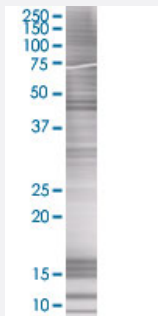


GCDH 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002639-T01

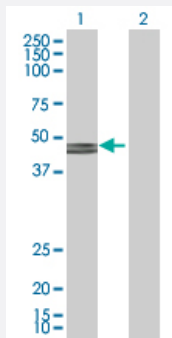
Size 100 uL

Applications



SDS-PAGE Gel

GCDH transfected lysate.



Western Blot

Lane 1: GCDH transfected lysate (48.1 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-GCDH full-length

Host Human

Theoretical MW (kDa) 48.1

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GCDH antibody ([H00002639-B01](#)) by Western Blots.

SDS-PAGE Gel

GCDH transfected lysate.

Western Blot

Lane 1: GCDH transfected lysate (48.1 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GCDH

Entrez GeneID[2639](#)**GeneBank Accession#**[NM_000159.2](#)**Protein Accession#**[P1](#)**Gene Name**

GCDH

Gene Alias

ACAD5, GCD

Gene Description

glutaryl-Coenzyme A dehydrogenase

Omim ID[231670 608801](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family. It 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. It uses electron transfer flavoprotein as its electron acceptor. The enzyme exists in the mitochondrial matrix as a homotetramer of 45-kD subunits. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

glutaryl-CoA dehydrogenase, mitochondrial

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Fatty acid metabolism](#)
- [Lysine degradation](#)

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)