

Recombinant Human GCDH

Catalog No: #GP12981



Package Size: #GP12981-1 100ug

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Description

Product Name	Recombinant Human GCDH
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 239-438 amino acids of human GCDH
Target Name	glutaryl-CoA dehydrogenase
Other Names	GCD; ACAD5
Accession No.	Swissprot:Q92947Gene Accession:BC002579
Uniprot	Q92947
GeneID	2639;
Storage	-20~-80°C, pH 7.6 PBS

Background

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. Mutations in this gene result in the metabolic disorder glutaric aciduria type 1, which is also known as glutaric acidemia type I. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 12.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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