

Recombinant Human GCDH protein, His-tagged

Cat. No. GCDH-2187H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GCDH protein(NP_000150.1)(Met1-Lys438), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Lys438
Form	Lyophilized from sterile 20 mM Tris, pH 8.0, 300 mM NaCl, 10 % glycerol. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Molecular Mass	The recombinant human GCDH consists of 405 amino acids and predicts a molecular mass of 44.9 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	GCDH glutaryl-CoA dehydrogenase [Homo sapiens]
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Official Symbol	GCDH
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Synonyms

GCDH; glutaryl-CoA dehydrogenase; glutaryl Coenzyme A dehydrogenase; glutaryl-CoA dehydrogenase, mitochondrial; ACAD5; glutaryl-Coenzyme A dehydrogenase; GCD;

Gene ID	2639
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mRNA Refseq	NM_000159
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Protein Refseq	NP_000150
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MIM	608801
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UniProt ID	Q92947
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