Recombinant Human GCDH protein (Met1-Lys438), His-tagged

Cat. No. GCDH-275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GCDH (NP_000150.1) (Met1-Lys438) protein, fused with a polyhistidine tag at the C-terminus, was expressed in Yeast.
Species	Human
Source	Insect Cells
ProteinLength	1-438 a.a.
CommonName	GCDH
Predicted N Terminal	Arg 45
Form	Lyophilized from sterile 20 mM Tris, pH 8.0, 300 mM NaCl, 10 % glycerol, 5 % trehalose, 5% mannitol and 0.01% Tween80.
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 of the 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

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GCDH glutaryl-CoA dehydrogenase [Homo sapiens]
Official Symbol	GCDH
Synonyms	GCDH; glutaryl-CoA dehydrogenase; glutaryl Coenzyme A dehydrogenase; glutaryl-CoA dehydrogenase, mitochondrial; ACAD5; glutaryl-Coenzyme A dehydrogenase; GCD;
Gene ID	2639
mRNA Refseq	NM_000159
Protein Refseq	NP_000150
MIM	608801
UniProt ID	Q92947

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