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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GCDH (Human) Recombinant Protein

Catalog Number: P9597

Regulation Status: For research use only (RUO)

Product Description: Human GCDH (Q92947, 45 a.a. - 438 a.a.) partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.

Sequence:

MGSSHHHHHSSGLVPRGSHMRPEFDWQDPLVLEE
QLTTDEILIRDTFRTYCQERLMPRILLANRNEVFHREIIS
EMGELGVLGPTIKGYGCAGVSSVAYGLLARELERVDS
GYRSAMSVQSSLVMHPIYAYGSEEQRQKYLPLAKG
ELLGCFGLTEPNSGSDPSSMETRAHYNSSNKSITLNG
TKTWITNSPMADLFVWWARCEGDCIRGFLEKGMRGL
SAPRIQGFSLRASATGMIIMDGVEVPEENVLPGASSL
GGPFGCLNNARYGIAWGVLGASEFCLHTARQYALDR
MQFGVPLARNQLIQKKLADMLTEITLGLHACLQLGRLK
DQDKAAPPEMVSLKRNCGKALDIARQARDMLGGNGI
SDEYHVIRHAMNLEAVNTYEGTHDIHALILGRAITGIQA
FTASK

Host: *Escherichia coli*

Theoretical MW (kDa): 45.8

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purity: > 90.0% by SDS-PAGE

Recommend Usage: Biological Activity
SDS-PAGE

The optimal working dilution should be determined by the end user.

Storage Buffer: In 20mM Tris-HCl pH 8.0 (0.2 M NaCl, 5 mM DTT and 20% glycerol)

Storage Instruction: Store at 2°C to 8°C for 1 week.

For long term storage, aliquot and store at -20°C to -80°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2639

Gene Symbol: GCDH

Gene Alias: ACAD5, GCD

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 CO₂ 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]