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Datasheet for ABIN7318540 GCDH Protein (His tag)

Overview

Quantity:	50 µg
Target:	GCDH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCDH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GCDH Protein (His Tag)
Sequence:	Arg45-Lys438
Characteristics:	Recombinant Human Glutaryl-CoA Dehydrogenase, Mitochondrial is produced by our E.coli expression system and the target gene encoding Arg45-Lys438 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GCDH
Alternative Name:	GCDH (GCDH Products)
Background:	Background: Glutaryl-CoA Dehydrogenase Mitochondrial (GCDH) is an enzyme that acts upon glutaryl-coenzyme A, creating crotonyl-coenzyme A. It plays a role in the metabolism of lysine,

Target Details

hydroxylysine and tryptophan. It uses electron transfer flavoprotein as its electron acceptor. Isoform Short is inactive Glutaryl-CoA and electron-transfer flavoprotein to (E)-but-2-enoyl-CoA, CO₂ and reduced electron-transfer flavoprotein. A defect in this enzyme is associated with neurological condition glutaric acidemia type 1 and cause a progressive form of early-onset generalized dystonia.

Synonym: Glutaryl-CoA Dehydrogenase Mitochondrial, GCD, GCDH

Molecular Weight:	45.0 kDa
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UniProt:	Q92947
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.4.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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