

32-8230: Recombinant Human Glutaryl-CoA Dehydrogenase Mitochondrial/GCDH (N-6His)

Gene : GCDH
Gene ID : 2639
Uniprot ID : Q92947

Description

Source: E. coli.
MW :45kD.

Recombinant Human GCDH 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. 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, 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MNHKVHHHHHMRPEFDWQDPLVLEEQLTTDEILIRDTRFTYCQERLMPRILLANRNEVFHREIISE
MGELGVLGPTIKGYGCAGVSSVAYGLLARELERVDSGYRSAMSVQSSLMHPIYAYGSEEQRQKY
LPQLAKGELLGCFGLTEPNSGSDPSSMETRAHYNSSNKSITLNGTKTWITNSPMADLFVWARCE
DGCIRGFLLEKGMRLSAPRIQKGFSLRASATGMIIMDGVEVPEENVLPGASSLGGPFGCLNNARY
GIAWGVLGASEFCLHTARQYALDRMQFGVPLARNQLIQKKLADMLTEITLGLHACLQLGRLKDQDK
AAPEMVSLKRNNGKALDIARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALILGRAI
TGIQAFTASK

Application Note

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.