Recombinant Human Glutaryl-CoA Dehydrogenase Mitochondrial/GCDH Protein(N-6His)

Cat.NO.: TP05544

3th Edition

Synonyms: Glutaryl-CoA Dehydrogenase Mitochondrial; GCD; GCDH

Description: 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.

Form:PBS

Molecular Weight:45.0 kDa

Sequences: Arg45-Lys438

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.