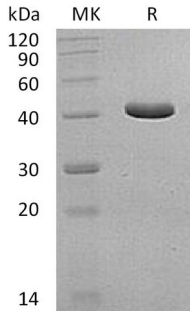
Product Name: Recombinant Human GCDH (N-6His)
Catalog #: PEH0719

Summary

Name	GCDH/Glutaryl-CoA dehydrogenase, mitochondrial
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q92947
Host	E.coli
Species	Human
Predicted Molecular Mass	45 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Glutaryl-CoA Dehydrogenase Mitochondrial; GCD; GCDH
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, 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.

Note

For Research Use Only , Not for Diagnostic Use.