abcam

Product datasheet

Recombinant Human GCDH/GCD protein ab98118

1 图像

描述

产品名称	重组人GCDH/GCD蛋白
纯度	> 90 % SDS-PAGE. ab98118 is purified by using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	Q92947
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	**MGSSHHHHHHSSGLVPRGSHM**RPEFDWQDPLVLEEQLTTDEILIRDTFRT YCQERLMPRILLANRNEVFHREIISEMGELGVLGPTIKGYGCAGVSSVAY GLLARELERVDSGYRSAMSVQSSLVMHPIYAYGSEEQRQKYLPQLAKGEL LGCFGLTEPNSGSDPSSMETRAHYNSSNKSYTLNGTKTWITNSPMADLFV VWARCEDGCIRGFLLEKGMRGLSAPRIQGKFSLRASATGMIIMDGVEVPE ENVLPGASSLGGPFGCLNNARYGIAWGVLGASEFCLHTARQYALDRMQFG VPLARNQLIQKKLADMLTEITLGLHACLQLGRLKDQDKAAPEMVSLLKRN NCGKALDIARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALI LGRAITGIQAFTASK
预测分子量	46 kDa including tags
氨基酸	45 to 438
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab98118** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid
补充说明	This product was previously labelled as GCDH

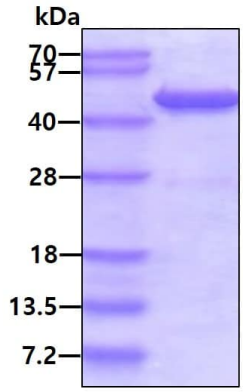
制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.077% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

常规信息

功能	Catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. Isoform Short is inactive.
组织特异性	Isoform 1 and isoform 2 are expressed in fibroblasts and liver.
通路	Amino-acid metabolism; lysine degradation. Amino-acid metabolism; tryptophan metabolism.
疾病相关	Defects in GCDH are the cause of glutaric aciduria type 1 (GA1) [MIM:231670]. GA1 is an autosomal recessive metabolic disorder characterized by progressive dystonia and athetosis due to gliosis and neuronal loss in the basal ganglia.
序列相似性	Belongs to the acyl-CoA dehydrogenase family.
细胞定位	Mitochondrion matrix.

图片



SDS-PAGE - Recombinant Human GCDH/GCD protein (ab98118)

SDS-PAGE analysis of ab98118 (3µg) under reducing condition and visualized by coomassie blue stain.

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