abcam

Product datasheet

Recombinant Human Methylmalonyl Coenzyme A mutase protein ab114834

1 图像

描述

产品名称	重组人Methylmalonyl Coenzyme A mutase蛋白
表达系统	Wheat germ
Accession	P22033
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MLRAKNQLFLLSPHYLRQVKESSGSRLIQQRLLHQQQPLHPE WAALAKKQ LKGKNPEDLIWHTPEGISIKPLYSKGDTMDLPEELPGVKPFT RGPYPTMY TFRPWTIRQYAGFSTVEESNKFYKDNIKAGQQGLSVAFDLAT HRGYDSDN PRVRGDVGMAGVAIDTVEDTKILFDGIPLEKMSVSMTMNGAV IPVLANFI VTGEEQGVPKEKLTGTIQNDILKEFMVRNTYIFPPEPSMKII ADIFEYTA KHMPKFNSISISGYHMQEAGADAILELAYTLADGLEYSRTGL QAGLTIDE FAPRLSFFWGIGMNFYMEIAKMRAGRRLWAHLIEKMFQPKNS KSLLLRAH CQTSGWSLTEQDPYNNIVRTAIEAMAAVFGGTQSLHTNSFDE ALGLPTVK SARIARNTQIIIQEESGIPKVADPWGGSYMMECLTNDVYDAA LKLINEIE EMGGMAKAVAEGIPKLRIEECAARRQARIDSGSEVIVGVNKY QLEKEDTV EVLAIDNTSVRNRQIEKLKKIKSSRDQALAERCLAALTECAA SGDGNILA LAVDASRARCTVGEITDALKKVFGEHKANDRMVSGAYRQEFG ESKEITSA IKRVHKFMEREGRRPRLLVAKMGQDGHDRGAKVIATGFADLG FDVDIGPL

FQTPREVAQQAVDADVHAVGVNTLAAGHKTLVPELIKELNSL
GRPDILVM
CGGVIPPQDYEFLFEVGVSNVFGPGTRIPKAAVQVLDDIEKC
LEKKQQSV

预测分子量	109 kDa including tags
氨基酸	1 to 750

技术指标

Our **Abpromise guarantee** covers the use of **ab114834** in the following tested applications.

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

应用	ELISA SDS-PAGE Western blot
形式	Liquid

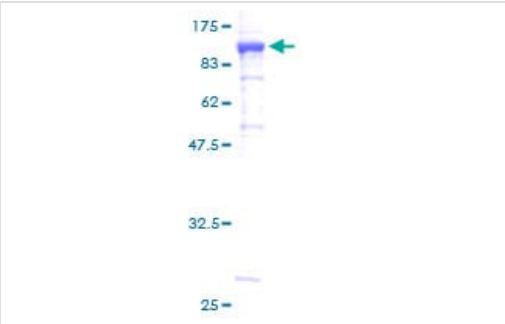
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能	Involved in the degradation of several amino acids, odd-chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle. MCM has different functions in other species.
疾病相关	Defects in MUT are the cause of methylmalonic aciduria type mut (MMAM) [MIM:251000]. MMAM is an often fatal disorder of organic acid metabolism. Common clinical features include lethargy, vomiting, failure to thrive, hypotonia, neurological deficit and early death. Two forms of the disease are distinguished by the presence (mut-) or absence (mut0) of residual enzyme activity. Mut0 patients have more severe neurological manifestations of the disease than do MUT- patients. MMAM is unresponsive to vitamin B12 therapy.
序列相似性	Belongs to the methylmalonyl-CoA mutase family. Contains 1 B12-binding domain.
细胞定位	Mitochondrion matrix.

图片



SDS-PAGE - Recombinant Human Methylmalonyl Coenzyme A mutase protein (ab114834)

ab114834 analyzed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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