

Recombinant Human HMGCS2 protein ab114900

1 图像

描述

产品名称	重组人HMGCS2蛋白
表达系统	Wheat germ
Accession	<u>P54868</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	

MQRLTPVKRILQLTRAVQETSLTPARLLPVAHQRFSTASAV
PLAKDTW
PKDVGILALEVYFPAQYVDQTDLEKYNNVEAGKYTVGLGQTR
MGFCSVQE
DINSLCLTVVQRLMERIQLPWDSVGRLEVGTETIIDKSKAVK
TVLMELFQ
DSGNTDIEGIDTTNACYGGTASLFNAANWMESSWDGRYAMV
VCGDIAVY
PSGNARPTGGAGAVAMLIGPKAPLALERGLRGTHMENVYDFY
KPNLASEY
PIVDGKLSIQCYLRALDRCYTSYRKKIQNQWKQAGSDRPFTL
DDLQYMIF
HTPFCKMVQKSLARLMFNDFLSASSDTQTSLYKGLEAFGGLK
LEDYTNK
DLDKALLKASQDMFDKKTASLYLSTHNGNMYTSSLYGCLAS
LLSHSAQ
ELAGSRIGAFSYGSLAASFFSFRVSQDAAPGSPLDKLVSST
SDLPKRLA
SRKCVSPEEFTEIMNQREQFYHKVNFSPPGDNTSLFPGTWYL
ERVDEQHR RKYARRPV

预测分子量	82 kDa including tags
氨基酸	1 to 508

技术指标

Our **Abpromise guarantee** covers the use of **ab114900** in the following tested applications.

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

应用	Western blot
	SDS-PAGE
	ELISA
形式	Liquid

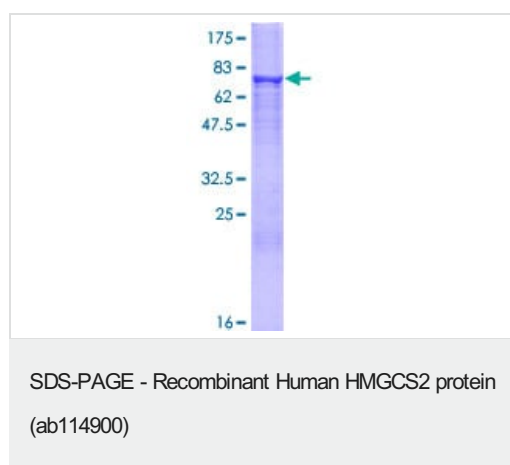
制备和贮存

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

功能	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.
组织特异性	High expression in liver and colon. Low expression in testis, heart, skeletal muscle and kidney.
通路	Metabolic intermediate biosynthesis; (R)-mevalonate biosynthesis; (R)-mevalonate from acetyl-CoA: step 2/3.
疾病相关	Defects in HMGCS2 are the cause of HMG-CoA synthase deficiency (HMGCS deficiency) [MIM:605911]; also known as deficiency of mitochondrial 3-hydroxy-3-methylglutaryl-CoA synthase 2. Affected individuals present with severe hypoketotic hypoglycemia, mild hepatomegaly, or fatty liver, and a nondiagnostic pattern of urinary organic acids with increase of medium and short chain dicarboxylic acids.
序列相似性	Belongs to the HMG-CoA synthase family.
细胞定位	Mitochondrion.

图片



12.5% SDS-PAGE showing ab114900 at approximately 81.95kDa. Stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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