

Recombinant Human ATP citrate lyase protein (His tag) ab235007

1 图像

描述	
产品名称	重组人ATP citrate lyase蛋白(His tag)
纯度	> 90 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>P53396</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	KAISEQTGKELLYKFICTTSAIQNRFKYARVTPDTDWARLLQ DHPWLLSQ NLVVKPDQLIKRRGKLGLVGVNLTLDGVKSWLKPRLGQEATV GKATGFLK NFLIEPFVPHSQAEEFYVCIYATREGDYVL FHHEGGVDVGDV DAKAQKLL VGVDEKLNPEDIKKHLLVHAPEDKKEILASFISGLFNFYEDL YFTYLEIN PLVVTKDGVYVLDLAAKVDATADYICKVKWGDIEFPPPFGRE AYPEEAYI ADLDAKSGASLK
预测分子量	46 kDa including tags
氨基酸	4 to 265
标签	His tag N-Terminus
额外的序列信息	N-terminal 6xHis-SUMO-tagged

技术指标	
Our <u>Abpromise guarantee</u> covers the use of ab235007 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
形式	Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

常规信息

功能

ATP-citrate synthase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. Has a central role in de novo lipid synthesis. In nervous tissue it may be involved in the biosynthesis of acetylcholine.

序列相似性

In the N-terminal section; belongs to the succinate/malate CoA ligase beta subunit family.
In the C-terminal section; belongs to the succinate/malate CoA ligase alpha subunit family.
Contains 1 ATP-grasp domain.

翻译后修饰

ISGylated.

Acetylated at Lys-540, Lys-546 and Lys-554 by KAT2B/PCAF. Acetylation is promoted by glucose and stabilizes the protein, probably by preventing ubiquitination at the same sites.

Acetylation promotes de novo lipid synthesis. Deacetylated by SIRT2.

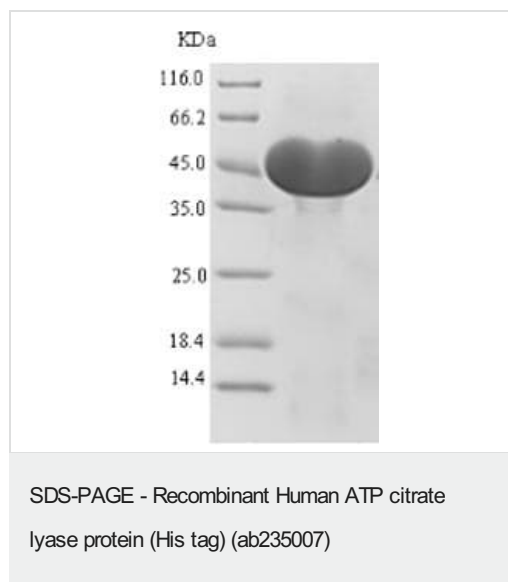
Ubiquitinated at Lys-540, Lys-546 and Lys-554 by UBR4, leading to its degradation.

Ubiquitination is probably inhibited by acetylation at same site.

细胞定位

Cytoplasm.

图片



ab235007 analyzed by (Tris-Glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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