

Recombinant Human Cytochrome P450 17A1/CYP17A1 protein ab152320

1 图像

描述	
产品名称	重组人Cytochrome P450 17A1/CYP17A1蛋白
表达系统	Wheat germ
Accession	<u>P05093</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MWELVALLLLTLAYLFWPKRRCPGAKYPKSLLSLPLVGSLPFLPRHGHMHNFFFKLQKKYGPIYSVRMGTKTTVIVGHHQLAKEVLIKKGKDFSGRPQMATLDIASNNRKGIAFADSGAHWQLHRRLAMATFALFKDGDQKLEKIICQEISTLCDMLATHNGQSIDISFPVFVAVTNVISLICFNTSYKNGDPELNVIQNYNEGIIDNLSKDSLVDLVPWLKIFPNKTLEKLKSHVKIRNDLLNKILENYKEKFRSDSITNMLDTLMQAKMNSDNGNAGPDQDSELLSDNHILTTIGDIFGAGVETTTSVVKWTLAFLHNPQVKKKLYEEIDQNVGFSRTPTISDRNRLLLEATIREVLRLRPVAPMLIPHKANVDSSIGEFVVDKGTEVIINLWALHHNEKEWHQPDQFMPERFLNPAGTQLISPSVSYLPFGAGPRSCIGEILARQELFLIMAWLLQRFDLEVPDDGQLPSLEGIPKVVFLIDSFKVKIKVRQAWR EAQAEGST
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 **ab152320** 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
	Western blot
	SDS-PAGE
形式	Liquid
补充说明	This product was previously labelled as Cytochrome P450 17A1.

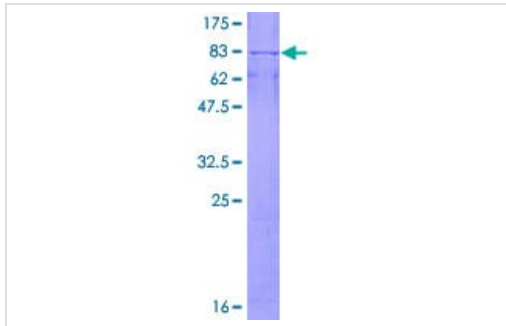
制备和贮存

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: 0.31% Glutathione, 0.79% Tris HCl

常规信息

功能	Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.
通路	Lipid metabolism; steroid biosynthesis.
疾病相关	Defects in CYP17A1 are the cause of adrenal hyperplasia type 5 (AH5) [MIM:202110]. AH5 is a form of congenital adrenal hyperplasia, a common recessive disease due to defective synthesis of cortisol. Congenital adrenal hyperplasia is characterized by androgen excess leading to ambiguous genitalia in affected females, rapid somatic growth during childhood in both sexes with premature closure of the epiphyses and short adult stature. Four clinical types: "salt wasting" (SW, the most severe type), "simple virilizing" (SV, less severely affected patients), with normal aldosterone biosynthesis, "non-classic form" or late onset (NC or LOAH), and "cryptic" (asymptomatic).
序列相似性	Belongs to the cytochrome P450 family.
翻译后修饰	Phosphorylation is necessary for 17,20-lyase, but not for 17-alpha-hydroxylase activity.
细胞定位	Membrane.

图片



SDS-PAGE - Recombinant Human Cytochrome
P450 17A1/CYP17A1 protein (ab152320)

12.5% SDS-PAGE analysis of ab152320 stained with Coomassie Blue.

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

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