

Recombinant Human Cytochrome P450 3A4/CYP3A4 protein ab114327

2 图像

描述	
产品名称	重组人Cytochrome P450 3A4/CYP3A4蛋白
表达系统	Wheat germ
Accession	<u>P08684</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MALIPDLAMETWLLLAVSLVLLYLYGTHSHGLFKKLGIPGPT PLPFLGNI LSYHKGFCMFDMECHKKYGKVWGFYDGQQPVLAITDPDMIKT VLVKECYS VFTNRRPFGPVGFMKSAISIAEDEEWKRLRSLLSPTFTSGKL KEMVPIIA QYGDVLVRNLRREAETGKPVTLKDVFAYSDVITSTSFGVN IDSLNNPQ DPFVENTKKLLRFDFLDPFFLSITVPFLIPILEVLNICVFP REVTNFLR KSVKRMKESRLEDTQKHRVDFLQLMIDSQNSKETESHKALSD LELVAQSI IFIFAGYETTSSVLSFIMYELATHPDVQQKLQEEIDAVLPNK APPTYDTV LQMEYLDMVVNETLRLFPIAMRLERVCKKDVEINGMFIPKGV VVMIPSYA LHRDPKYWTEPEKFLPERFSKKNKDNIDPYIYTPFGSGPRNC IGMRFALM NMKLALIRVLQNFSFKPCKETQIPLKLSLGGLLQPEKPVVLK VESRDGTV SGA
预测分子量	81 kDa
氨基酸	1 to 503
技术指标	

Our **Abpromise guarantee** covers the use of **ab114327** 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
补充说明	This product was previously labelled as Cytochrome P450 3A4.

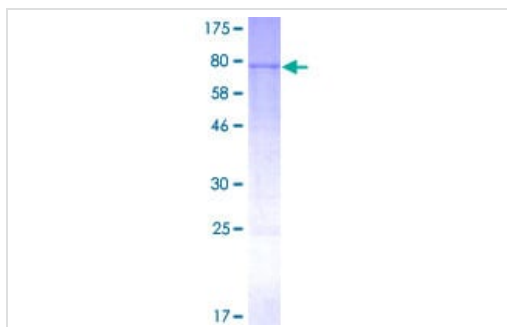
制备和贮存

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

常规信息

功能	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.
组织特异性	Expressed in prostate and liver. According to some authors, it is not expressed in brain (PubMed:19094056). According to others, weak levels of expression are measured in some brain locations (PubMed:19359404 and PubMed:18545703). Also expressed in epithelium of the small intestine and large intestine, bile duct, nasal mucosa, kidney, adrenal cortex, epithelium of the gastric mucosa with intestinal metaplasia, gallbladder, intercalated ducts of the pancreas, chief cells of the parathyroid and the corpus luteum of the ovary (at protein level).
序列相似性	Belongs to the cytochrome P450 family.
翻译后修饰	Polyubiquitinated in the presence of AMFR and UBE2G1 and also STUB1/CHIP and UBE2D1 (in vitro).
细胞定位	Endoplasmic reticulum membrane. Microsome membrane.

图片



SDS-PAGE - Recombinant Human Cytochrome P450 3A4/CYP3A4 protein (ab114327)

SDS-PAGE analysis of ab114327 on a 12.5% gel stained with Coomassie Blue.



Western blot - Recombinant Human Cytochrome P450 3A4/CYP3A4 protein (ab114327)

Anti-Cytochrome P450 3A4/CYP3A4 antibody (**ab94334**) at 1 µg/ml + Recombinant Human Cytochrome P450 3A4/CYP3A4 protein (ab114327) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 20 seconds

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

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