

Product datasheet

Recombinant Human Cytochrome P450 Reductase protein  
ab112344

画像数 1

製品の概要

製品名	Recombinant Human Cytochrome P450 Reductase protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Wheat germ

アミノ酸配列

アクセッション番号 [P16435](#)

生物種 Human

配列  
MINMGDSHVDTSSSTVSEAVAEVSLFSMTDMILFSLIVGLLTYWFLFRKK  
KEEVPEFTKIQTLTSSVRESSFVEKMKKTGRNIIVFYGSQTGTAEFANR  
LSKDAHRYGMRGMSADPEEYDLADLSSLPEIDNALVVFCMATYGECDPTD  
NAQDFYDWLQETDLDLGVKFAVFGGLGKTYEHFNAMGKYVDRLEQLGA  
QRIFELGLGDDGDLLEEDFITWREQFWLAVCEHFGVEATGEESIRQYEL  
VVHTDIDAAKVVMGEMGRLKSYENQKPPFDAKNPFLAAVTTNRKLNQGTE  
RHLMHLELDISDSKIRYESGDHVAVYPANDSALVNQLGKILGADLDVMS  
LNNLDEESNKKHPPCPTSRYRTALTYLDITNPPRTNVLVELAQYASEPS  
EQELLRKMASSSGEGKELYLSWVVEARRHILAILQDCPSLRPPIDHLCLE  
LPRLQARYYSIASSKVPNSVHICAVVVEYETKAGRINKGVATNWLRAK  
EPVGENGGRALVPMFVRKSQFRLPFKATTPVIMVPGTGVAPFIGFIQER  
AWLRQQGKEVGETLLYYGCRRSDEDYLYREELAQFHRDGALTQLNVAFSR  
EQSHKVVYQHLLKQDREHLWKLIEGGAHIYVCGDARNMARDVQNTFYDIV  
AELGAMEHAQAVDYIKKLMTKGRYSLDVWS

分子量 101 kDa including tags

領域 1 to 680

タグ GST tag N-Terminus

特性

Our [Abpromise guarantee](#) covers the use of **ab112344** in the following tested applications.

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

生理活性	useful for Antibody Production and Protein Array
アプリケーション	SDS-PAGE
製品の状態	Liquid
備考	useful for Antibody Production and Protein Array

#### 前処理および保存

---

保存方法および安定性	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 Note: Glutathione is reduced
------------	--

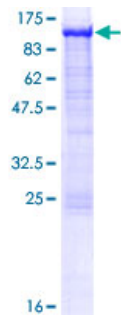
#### 関連情報

---

機能	This enzyme is required for electron transfer from NADP to cytochrome P450 in microsomes. It can also provide electron transfer to heme oxygenase and cytochrome B5.
関連疾患	Defects in POR are the cause of adrenal hyperplasia variant type (AHV) [MIM:201750]; also known as Antley-Bixler syndrome-like phenotype with disordered steroidogenesis. AHV is a rare variant of congenital adrenal hyperplasia. It is an autosomal recessive disorder with apparent combined P450C17 and P450C21 deficiency. Affected girls are born with ambiguous genitalia, but their circulating androgens are low and virilization does not progress. Conversely, affected boys are sometimes born undermasculinized. Boys and girls can also present with bone malformations, in some cases resembling the pattern seen in patients with Antley-Bixler syndrome. Defects in POR are a cause of isolated disordered steroidogenesis (IDS) [MIM:201750].
配列類似性	In the C-terminal section; belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Contains 1 FAD-binding FR-type domain. Contains 1 flavodoxin-like domain.
細胞内局在	Endoplasmic reticulum membrane. Anchored to the ER membrane by its N-terminal hydrophobic region.

#### 画像

---



12.5% SDS-PAGE showing ab112344 at approximately 100.87kDa stained with Coomassie Blue.

SDS-PAGE - Cytochrome P450 Reductase protein (ab112344)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors