

## Product datasheet

# Recombinant Human AKR1C1 protein ab93730

[2 Images](#)

### Description

<b>Product name</b>	Recombinant Human AKR1C1 protein
<b>Purity</b>	> 90 % SDS-PAGE. Purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MDSKYQCVKL  NDGHFMPVLG FGTYAPAEVP KSKALEATKL  AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF  YTSKLWCNSH RPELVRPALE RSLKNLQLDY  VDLYLIHFPV SVKPGEEVIP KDENGKILFD TVDLCATWEA  VEKCKDAGLA KSIGVSNFNR RQLEMILNKP  GLKYKPVCNQ VECHPYFNQR KLLDFCKSKD  MLVAYSALG SHREEPWVDP NSPVLLEDPV  LCALAKKHKR TPALIALRYQ LQRGVVVLAK SYNEQRIRQN  VQVFEFQLTS EEMKAIDGLN RNVRYLTLDI FAGPPNYPFS  DEY</p>
<b>Amino acids</b>	1 to 323

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab93730** in the following tested applications.

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

<b>Applications</b>	Western blot SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw
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cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine)

## General Info

### Function

Converts progesterone to its inactive form, 20-alpha-dihydroxyprogesterone (20-alpha-OHP). In the liver and intestine, may have a role in the transport of bile. May have a role in monitoring the intrahepatic bile acid concentration. Has a low bile-binding ability. May play a role in myelin formation.

### Tissue specificity

Expressed in all tissues tested including liver, prostate, testis, adrenal gland, brain, uterus, mammary gland and keratinocytes. Highest levels found in liver, mammary gland and brain.

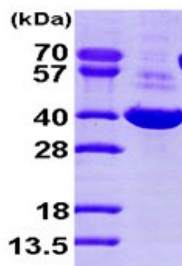
### Sequence similarities

Belongs to the aldo/keto reductase family.

### Cellular localization

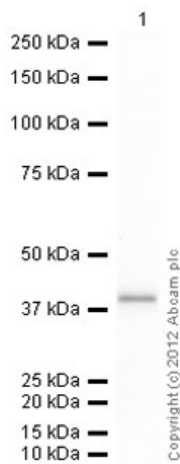
Cytoplasm.

## Images



15% SDS Page analysis of ab93730 (3 µg).

SDS-PAGE - Recombinant Human AKR1C1 protein  
(ab93730)



Western blot - Recombinant Human AKR1C1 protein  
(ab93730)

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

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

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- 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 <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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