

Product datasheet

Recombinant Human AKR1C4 protein ab172176

1 Image

Description	
Product name	Recombinant Human AKR1C4 protein
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 0.100 Eu/µg
Expression system	Escherichia coli
Accession	<b>P17516</b>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMDPKYQRVELNDGHFMPV LGFGTYAPPEVP RNRAVEVTKLAIEAG FRHIDSAYLYNNEEQVGLAIRSKIADGSVKREDIFYTSKLWC TFFQPQMV QPALESSLKKLQLDY VDLYLLHFPMALKPGETPLPKDENGKVIFD TVDLSATWEV MEKCKDAGLA KSIGVSNFNRYRQLEM ILNKPGLKYKPV CNQVECHPYLNQSKLLDFCKSKDMLVA HSALGTQRHK LWVDPNSPVLLEDPV LCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRENI QVFEFQLTS EDMKVLDGLNRNYRY VVMDFLMDHPDYPFSDEY
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 323
Tags	His tag N-Terminus

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab172176</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE
Form	Liquid

## Additional notes

Previously labelled as HSD3a.

## Preparation and Storage

### Stability and Storage

Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.24% Tris, 0.88% Sodium chloride

Supplied as a 0.2 µM filtered solution

## General Info

### Function

Catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-alpha-androstan-3-alpha,17-beta-diol (3-alpha-diol). Also has some 20-alpha-hydroxysteroid dehydrogenase activity. The biotransformation of the pesticide chlordecone (kepone) to its corresponding alcohol leads to increased biliary excretion of the pesticide and concomitant reduction of its neurotoxicity since bile is the major excretory route.

### Tissue specificity

Liver specific.

### Sequence similarities

Belongs to the aldo/keto reductase family.

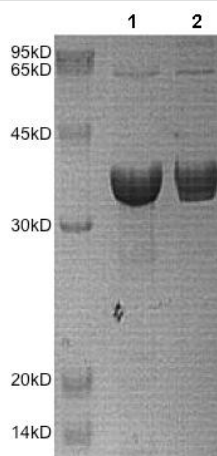
### Post-translational modifications

The N-terminus is blocked.

### Cellular localization

Cytoplasm.

## Images



SDS-PAGE gel of ab172176 under reduced (lane 1) and non reduced (lane 2) conditions

SDS-PAGE - Recombinant Human AKR1C4 protein  
(ab172176)

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

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- 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.

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