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Datasheet for ABIN1459684

**AKR1B1 Protein (AA 1-315) (His tag)**

## Overview

Quantity:	1 mg
Target:	AKR1B1
Protein Characteristics:	AA 1-315
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKR1B1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	AHNIVLYTGA KMPILGLGTW KSPPGKVTEA VKVAIDLGYR HIDCAHVYQN ENEVGLALQA KLQEQVVKRE DLFIVSKLWC TYHDKDLVKG ACQKTLSDLK LDYLDLYLIH WPTGFKPGKD FFPLDEGDNV IPSEKDFVDT WTAMEELVDE GLVKAIGVSN FNHLQVEKIL NKPGLKYKPA VNQIECHPYL TQEKLQYCN SKGIVVTAYS PLGSPDRPWA KPEDPSILED PRIKAIADKY NKTTAQVLIR FPIQRNLIVI PKSVTPERIA ENFQVDFEL DKEDMNTLLS YNRDWRACAL VSCASHRDYP FHEEF
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

## Target Details

Target:	AKR1B1
Alternative Name:	Aldose reductase (AKR1B1) ( <a href="#">AKR1B1 Products</a> )
Background:	<p>Recommended name: Aldose reductase.</p> <p>Short name= AR.</p> <p>EC= 1.1.1.21.</p> <p>Alternative name(s): 20-alpha-hydroxysteroid dehydrogenase.</p> <p>Short name= 20-alpha-HSD.</p> <p>EC= 1.1.1.149 Aldehyde reductase</p>
UniProt:	<a href="#">P16116</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.