



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### AKR1C1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001645-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human AKR1C1 full-length ORF ( NP\_001344.2, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPSKALE
ATKLAIEAGFRHIDSAHLYNNEEQVGLAIRSKIADGSVK
REDIFYTSKLWCNSHRPELVRPALERSLKNLQLDYVDL
YLIHFVSVKPGEEVIPKDENGKILFDTVDLCATWEAVE
KCKDAGLAKSIGVSNFNRRQLEMILNKPLKYKPVCN
QVECHPYFNQRKLLDFCKSKDIVLVAYSALGSHREEP
WVDPNSPVLLEDVPCALAKKHKRTPALIALRYQLQRG
VVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNR
NVRYLTLDFAGPPNYPFSDEY
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 63.2

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1645

**Gene Symbol:** AKR1C1

**Gene Alias:** 2-ALPHA-HSD, 20-ALPHA-HSD, C9, DD1,

DDH, DDH1, H-37, HAKRC, MBAB, MGC8954

**Gene Summary:** This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]