

## Recombinant Human AKR1C2 Protein, DYKDDDDK-tagged

Cat. No. AKR1C2-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein from the full-length sequence of Homo sapiens aldo-keto reductase family 1 member C2 (AKR1C2), transcript variant 3 (NM_001135241), with a DYKDDDDK tag was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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 using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene.
<b>Molecular Mass</b>	15.6 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/μg of protein (<1 EU/μg)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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protein-protein interaction studies; For research & development use only!

**Storage Buffer**

Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

## GENE INFORMATION

**Gene Name**

[AKR1C2](#) [aldo-keto reductase family 1 member C2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol**

[AKR1C2](#)

**Synonyms**

AKR1C2; aldo-keto reductase family 1 member C2; DD; DD2; TDD; BABP; DD-2; DDH2; HBAB; HAKRD; MCDR2; SRXY8; DD/BABP; AKR1C-pseudo; aldo-keto reductase family 1 member C2; 3-alpha-HSD3; chlordecone reductase homolog HAKRD; dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III; pseudo-chlordecone reductase; testicular 17,20-desmolase deficiency; trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; type II dihydrodiol dehydrogenase; EC 1.1.1.112; EC 1.1.1.209; EC 1.1.1.357; EC 1.1.1.53; EC 1.1.1.62; EC 1.3.1.20

**Gene ID**

[1646](#)

**mRNA Refseq**

[NM\\_001135241](#)

**Protein Refseq**

[NP\\_001128713](#)

**MIM**

[600450](#)

**UniProt ID**

[P52895](#)

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