Recombinant Human AKR1C2 Protein, DYKDDDDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
Description	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.
Molecular Mass	15.6 kDa
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (<1 EU/μg)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	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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