

# Recombinant Human AKR1C2 protein(Met1-Tyr323), His-tagged

**Cat. No.** AKR1C2-456H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human AKR1C2 (P52895-1) (Met1-Tyr323) was expressed in E. coli with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-323 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human AKR1C2 consists of 338 amino acids and predicts a molecular mass of 38.6 KDa. It migrates as an approximately 37 KDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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## GENE INFORMATION

<b>Gene Name</b>	AKR1C2 aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III) [ Homo sapiens ]
<b>Official Symbol</b>	AKR1C2
<b>Synonyms</b>	AKR1C2; aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III); DDH2; aldo-keto reductase family 1 member C2; BABP; DD; DD2; HAKRD; MCDR2; DD-2; DD/BABP; 3-alpha-HSD3; pseudo-chlordecone reductase; type II dihydrodiol dehydrogenase; chlordecone reductase homolog HAKRD; trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; HBAB; SRXY8; AKR1C-pseudo; FLJ53800;
<b>Gene ID</b>	1646
<b>mRNA Refseq</b>	NM_001135241
<b>Protein Refseq</b>	NP_001128713
<b>MIM</b>	600450
<b>UniProt ID</b>	P52895

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