

[Go to Product page](#)

Datasheet for ABIN7318143 **AKR1C2 Protein**

Overview

Quantity:	50 µg
Target:	AKR1C2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human AKR1C2 Protein
Sequence:	Met 1-Tyr323
Characteristics:	Recombinant Human Aldo-Keto Reductase Family 1 Member C2 is produced by our E.coli expression system and the target gene encoding Met1-Tyr323 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	AKR1C2
Alternative Name:	AKR1C2 (AKR1C2 Products)
Background:	Background: Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5-α/5-β-Steroid Reductases to convert Steroid hormones into the 3-α/5-α and 3-α/5-β-Tetrahydrosteroids. AKR1C2 catalyzes the inactivation of the most potent androgen 5-α-Dihydrotestosterone (5-α-DHT) to 5-α-Androstane-3-α, 17-β-diol (3-α-diol).

Target Details

Synonym: Aldo-Keto Reductase Family 1 Member C2, 3-Alpha-HSD3, Chlordecone Reductase
Homolog HAKRD, Dihydrodiol Dehydrogenase 2, DD-2, DD2, Dihydrodiol Dehydrogenase/Bile
Acid-Binding Protein, DD/BABP, Trans-1,2-Dihydrobenzene-1,2-Diol Dehydrogenase, Type III 3-
Alpha-Hydroxysteroid Dehydrogenase, AKR1C2, DDH2

Molecular Weight: 36.7 kDa

UniProt: [P52895](#)

Pathways: [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.