

AKR1C2 Protein, Human, Recombinant

General Information

Synonyms:	3-Alpha-HSD3;Chlordecone Reductase Homolog HAKRD;2-Diol Dehydrogenase;Dihydrodiol Dehydrogenase 2;DD/BABP;Type III 3-;2-Dihydrobenzene-1;DD2;Trans-1;Aldo-Keto Reductase Family 1 Member C2;DD-2;Dihydrodiol Dehydrogenase/Bile Acid-Binding Protein; 3- α -HSD3
Protein Construction:	Met1-Tyr323
Species:	Human
Expression Host:	E. coli
Accession:	P52895
Molecular Weight:	35 KDa (reducing condition)
AA Sequence:	Met1-Tyr323

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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