

Recombinant Human AKR1C2 Protein

Catalog No. PKSH032054

Note: Centrifuge before opening to ensure complete recovery of vial contents.

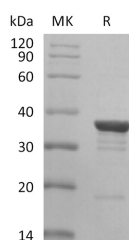
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Tyr323
Accession	P52895
Calculated Molecular Weight	36.7 kDa
Observed molecular weight	35 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, pH 8.0.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5- α /5- β -Steroid Reductases to

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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).

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