



Recombinant Protein Technical Manual

Recombinant Human AKR1C2 Protein

RPES2268

Product Data:

Product SKU: RPES2268

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P52895

Protein Information:

Molecular Mass: 36.7 kDa

AP Molecular Mass: 35 kDa

Tag:

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 100mM NaCl, 1mM DTT, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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;2-Dihydrobenzene;2-Diol Dehydrogenase; Type III 3-Alpha-Hydroxysteroid Dehydrogenase; AKR1C2; DDH2

Immunogen Information:

Sequence: Met 1-Tyr323

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).