Recombinant Human Aldo-Keto Reductase 1C4/AKR1C4 Protein(N-6His)

Cat.NO.: TP05903

3th Edition

Synonyms: Aldo-Keto Reductase Family 1 Member C4; 3-Alpha-HSD1; 3-Alpha-Hydroxysteroid Dehydrogenase Type I; Chlordecone Reductase; CDR; Dihydrodiol Dehydrogenase 4; DD-4; DD4; HAKRA; AKR1C4; CHDR

Description: Aldo-Keto Reductase 1C4/AKR1C4 is a member of the aldo/keto reductase family that consists of more than 40 known enzymes and proteins. AKR1C4 has highly expressed in Liver. It can catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. AKR1C4 catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-?-Androstan-3-?,17-?-diol (3-?-diol). In addition, AKR1C4 also has some 20-?-Hydroxysteroid Dehydrogenase activity.

Form:PBS

Molecular Weight:39.3 kDa

Sequences: Met 1-Tyr323

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.