

## 32-8062: Recombinant Human Aldo-Keto Reductase 1C4/AKR1C4 (N-6His)

**Gene :** AKR1C4

**Gene ID :** 1109

**Uniprot ID :** P17516

### Description

Source: E.coli.

MW :39.3kD.

Recombinant Human Aldo-Keto Reductase 1C4 is produced by our E.coli expression system and the target gene encoding Met1-Tyr323 is expressed with a 6His tag at the N-terminus. 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-a-Androstan-3-a,17- beta-diol (3-a-diol). In addition, AKR1C4 also has some 20-a-Hydroxysteroid Dehydrogenase activity.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHSSGLVPRGSHMDPKYQRVELNDGHFMPVLGFGTYAPPEVPRNRAVEVTKLAIEAGFRHIDSA  
YLYNNEEQVGLAIRSKIADGSKREDIFYTSKLWCTFFQPQMVQPALESSLKKLQLDYVDLYLLHFPALKPGET  
PLPKDENGKVFDTVDLSATWEVMEKCKDAGLAKSIGVSNFNRYQLEMILNKPGLKYKPCVNQVECHPYLNQSK  
LLDFCKSKDIVLVAHSALGTQRHKLWVDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQ  
RIRENIQVFEFQLTSEDMKVLVDGLNRNYRYVMDFLMDHPDYPFSDEY

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.