

## 32-7273: Recombinant Human Aldo-Keto Reductase 1C2/AKR1C2

**Gene :** AKR1C2

**Gene ID :** 1646

**Uniprot ID :** P52895

### Description

Source: E.coli.

MW :36.74kD.

Recombinant Human Aldo-Keto Reductase 1C3 is produced by our E.coli expression system and the target gene encoding Met1-Tyr323 is expressed. Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5-a/5- beta-Steroid Reductases to convert Steroid hormones into the 3-a/5-a and 3-a/5- beta-Tetrahydrosteroids. AKR1C2 catalyzes the inactivation of the most potent androgen 5-a-Dihydrotestosterone (5-a-DHT) to 5-a-Androstane-3-a, 17- beta-diol (3-a-diol).

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, pH 8.0.

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

**Amino Acid :** MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPSKALEAVKLAIEAGFHHIDSAHVYNNEEQVGLAIRSKIADGSV  
KREDIFYTSKLWSNSHRPELVRPALERSLKNLQLDYVDLYLIHFVSVKPGEEVIPKDENGKILFDTVDLCATWEA  
MEKCKDAGLAKSIGVSNFNHRLLEMILNKPGLKYKPVCNQVECHPYFNQRKLLDFCKSKDIVLVAYSALGSHRE  
EPWVDPNSPVLLEDVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDG  
LNRNVRYLTLDFAGPPNYPFSDEY

### Application Note

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