

## 3-oxo-5 $\alpha$ -steroid 4-dehydrogenase (acceptor)

Cat. No. EXWM-1439

Lot. No. (See product label)

### Introduction

**Description** A flavoprotein. This bacterial enzyme, characterized from *Comamonas testosteroni*, is involved in androsterone degradation. cf. EC 1.3.1.22, 3-oxo-5 $\alpha$ -steroid 4-dehydrogenase (NADP+).

**Synonyms** steroid 5 $\alpha$ -reductase; 3-oxosteroid  $\Delta$ 4-dehydrogenase; 3-oxo-5 $\alpha$ -steroid  $\Delta$ 4-dehydrogenase; steroid  $\Delta$ 4-5 $\alpha$ -reductase;  $\Delta$ 4-3-keto steroid 5 $\alpha$ -reductase;  $\Delta$ 4-3-oxo steroid reductase;  $\Delta$ 4-3-ketosteroid 5 $\alpha$ -oxidoreductase;  $\Delta$ 4-3-oxosteroid-5 $\alpha$ -reductase; 3-keto- $\Delta$ 4-steroid-5 $\alpha$ -reductase; 5 $\alpha$ -reductase; testosterone 5 $\alpha$ -reductase; 4-ene-3-ketosteroid-5 $\alpha$ -oxidoreductase;  $\Delta$ 4-5 $\alpha$ -dehydrogenase; 3-oxo-5 $\alpha$ -steroid:(acceptor)  $\Delta$ 4-oxidoreductase; tesI (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.3.99.5

**CAS No.** 9036-43-5

**Reaction** a 3-oxo-5 $\alpha$ -steroid + acceptor = a 3-oxo- $\Delta$ 4-steroid + reduced acceptor

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.