

## Ketoreductase, Recombinant

Cat. No. NATE-0365

Lot. No. (See product label)

### Introduction

**Description** Ketoreductase reduces 4-chloroacetoacetate with NADPH as a cosubstrate.

**Applications** Ketoreductases are used to study the stereospecificity of ketoreductase domains. They may be used to reduce precursors of  $\alpha$ -chloroalcohols, which are synthetic intermediates for various pharmaceutical compounds. This product is recombinant and expressed in *E. coli* at > 2.2 units/mg.

**Synonyms** Ketoreductase; EC 1.1.1.2; 9028-12-0

### Product Information

**Source** *E. coli*

**EC Number** EC 1.1.1.2

**CAS No.** 9028-12-0

**Activity** > 0.2 units/mg; > 2.2 units/mg

**Unit Definition** 1 U corresponds to the amount of enzyme which reduces 1  $\mu$ mol 4-chloroacetoacetate per minute at pH 6.0 and 25°C (cosubstrate NADPH).

### Usage and Packaging

**Package** Bottomless glass bottle. Contents are inside inserted fused cone.

### Storage and Shipping Information

**Storage** 2-8°C