

## L-xylulose reductase

Cat. No. EXWM-0002

Lot. No. (See product label)

### Introduction

**Description** Dicarbonyl/L-xylulose reductase, also known as carbonyl reductase II, is an enzyme that in human is encoded by the DCXR gene located on chromosome 17. DCSR catalyzes the reduction of several L-xylulose as well as a number of pentoses, tetroses, trioses, alpha-dicarbonyl compounds. The enzyme is involved in carbohydrate metabolism, glucose metabolism, the uronate cycle and may play a role in the water absorption and cellular osmoregulation in the proximal renal tubules by producing xylitol.

**Synonyms** xylitol dehydrogenase (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.10

**CAS No.** 9028-17-5

**Reaction** xylitol + NADP<sup>+</sup> = L-xylulose + NADPH + H<sup>+</sup>

**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.