Creative Enzymes®

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-xylylose 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+ = L-xylulose + NADPH + H+
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.