Creative Enzymes®

Recombinant Burkholderia cenocepacia Xylose isomerase

Cat. No. EXWM-5476

Lot. No. (See product label)

Introduction

Description	In enzymology, a xylose isomerase (EC 5.3.1.5) is an enzyme that catalyzes the interconversion of D-xylose and D-xylulose. This enzyme belongs to the family of isomerases, specifically those intramolecular oxidoreductases interconverting aldoses and ketoses. The isomerase has now been observed in nearly a hundred species of bacteria. Xylose-isomerases are also commonly called fructose-isomerases due to their ability to interconvert glucose and fructose. The systematic name of this enzyme class is D-xylose aldose-ketose-isomerase. Other names in common use include D-xylose isomerase, D-xylose ketoisomerase, and D-xylose ketol-isomerase.

Product Information

Species	Burkholderia cenocepacia
Source	E.coli
Form	Liquid or Lyophilized powder
EC Number	EC 5.3.1.5
CAS No.	9023-82-9
Molecular Weight	49.5 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Reaction	D-xylopyranose = D-xylulose
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 at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.