

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 multiple use. Avoid repeated freeze-thaw cycles.