Creative Enzymes®

1,2-β-oligomannan phosphorylase

Cat. No. EXWM-2579

Lot. No. (See product label)

Introduction

Description	The enzyme, originally characterized from the thermophilic anaerobic bacterium Thermoanaerobacter sp. X514, catalyses a reversible reaction. In the synthetic direction it produces oligosaccharides with a degree of polymerization (DP) of 3, 4 and 5. The phosphorolysis reaction proceeds to completion, although activity is highest when the substrate has at least three residues. cf. EC 2.4.1.339, β-1,2-mannobiose phosphorylase.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.340
Reaction	[(1→2)-β-D-mannosyl]n + phosphate = [(1→2)-β-D-mannosyl]n-1 + α-D-mannose 1-phosphate
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 ℃.