

## 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 phosphorylase 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**  $[(1\rightarrow2)\text{-}\beta\text{-D-mannosyl}]_n + \text{phosphate} = [(1\rightarrow2)\text{-}\beta\text{-D-mannosyl}]_{n-1} + \alpha\text{-D-mannose 1-phosphate}$

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.