

## α-glucan, water dikinase

Cat. No. EXWM-3351

Lot. No. (See product label)

### Introduction

**Description** Requires Mg<sup>2+</sup>. ATP appears to be the only phosphate donor. No activity could be detected using GTP, UTP, phosphoenolpyruvate or diphosphate. The protein phosphorylates glucans exclusively on O-6 of glucosyl residues. The protein phosphorylates itself with the β-phosphate of ATP, which is then transferred to the glucan.

**Synonyms** starch-related R1 protein, GWD

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.9.4

**CAS No.** 664327-94-0

**Reaction** ATP + α-glucan + H<sub>2</sub>O = AMP + phospho-α-glucan + 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.