

α-glucan, water dikinase

Cat. No. EXWM-3351

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺. 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 + H₂O = 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.