Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.