Creative Enzymes®

inositol-pentakisphosphate 2-kinase

Cat. No. EXWM-2987

Lot. No. (See product label)

Introduction

Description	The enzyme can also use Ins(1,4,5,6)P4 and Ins(1,4,5)P3 as substrate. Inositol hexakisphosphate (phytate) accumulates in storage protein bodies during seed development and, when hydrolysed, releases stored nutrients to the developing seedling before the plant is capable of absorbing nutrients from its environment.
Synonyms	IP5 2-kinase; Gsl1p; Ipk1p; inositol polyphosphate kinase; inositol 1,3,4,5,6-pentakisphosphate 2-kinase; Ins(1,3,4,5,6)P5 2-kinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.158
Reaction	ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP + 1D-myo-inositol hexakisphosphate
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 ℃.