

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