Creative Enzymes®

inositol-1,3,4-trisphosphate 5/6-kinase

Cat. No. EXWM-2988

Lot. No. (See product label)

Introduction

Description	In humans, this enzyme, along with EC 2.7.1.127 (inositol-trisphosphate 3-kinase), EC 2.7.1.140 (inositol-tetrakisphosphate 5-kinase) and EC 2.7.1.158 (inositol pentakisphosphate 2-kinase) is involved in the production of inositol hexakisphosphate (InsP6). InsP6 is involved in many cellular processes, including mRNA export from the nucleus. Yeasts do not have this enzyme, so produce InsP6 from Ins(1,4,5)P3 by the actions of EC 2.7.1.151 (inositol-polyphosphate multikinase) and EC 2.7.1.158 (inositol-pentakisphosphate 2-kinase).
Synonyms	Ins(1,3,4)P3 5/6-kinase; inositol trisphosphate 5/6-kinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.159
CAS No.	288307-53-9
Reaction	(1) ATP + 1D-myo-inositol 1,3,4-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate; (2) ATP + 1D-myo-inositol 1,3,4-trisphosphate = ADP + 1D-myo-inositol 1,3,4,6-tetrakisphosphate
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 ℃.