Creative Enzymes®

inositol-polyphosphate 5-phosphatase

Cat. No. EXWM-3661

Lot. No. (See product label)

Introduction

Description	One mammalian isoform is known. This enzyme is distinguished from the family of enzymes classified under EC 3.1.3.36, phosphoinositide 5-phosphatase, by its inability to dephosphorylate inositol lipids.
Synonyms	type I inositol-polyphosphate phosphatase; inositol trisphosphate phosphomonoesterase; InsP3/Ins(1,3,4,5)P4 5-phosphatase; inosine triphosphatase; D-myo-inositol 1,4,5-triphosphate 5-phosphatase; D-myo-inositol 1,4,5-trisphosphate 5-phosphatase; L-myo-inositol 1,4,5-trisphosphate-monoesterase; inositol phosphate 5-phosphomonoesterase; inositol-1,4,5-trisphosphate/1,3,4,5-tetrakisphosphate 5-phosphatase; Ins(1,4,5)P3 5-phosphatase; D-myo-inositol(1,4,5)/(1,3,4,5)-polyphosphate 5-phosphatase; inositol 1,4,5-trisphosphate phosphatase; inositol polyphosphate-5-phosphatase; myo-inositol-1,4,5-trisphosphate 5-phosphatase; inositol-1,4,5-trisphosphate 5-phosphatase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.3.56
CAS No.	106283-14-1
Reaction	(1) D-myo-inositol 1,4,5-trisphosphate + H2O = myo-inositol 1,4-bisphosphate + phosphate; (2) 1D-myo-inositol 1,3,4,5-tetrakisphosphate + H2O = 1D-myo-inositol 1,3,4-trisphosphate + 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 ℃.