Creative Enzymes®

exopolyphosphatase

Cat. No. EXWM-4595

Lot. No. (See product label)

Introduction

Description	Exopolyphosphatase (PPX) is a phosphatase enzyme which catalyzes the hydrolysis of inorganic polyphosphate, a linear molecule composed of up to 1000 or more monomers linked by phospho-anhydride bonds. PPX is a processive exophosphatase, which means that it begins at the ends of the polyphosphate chain and cleaves the phospho-anhydride bonds to release orthophosphate as it moves along the polyphosphate molecule. PPX has several characteristics which distinguish it from other known polyphosphatases, namely that it does not act on ATP, has a strong preference for long chain polyphosphate, and has a very low affinity for polyphosphate molecules with less than 15 phosphate monomers.
Synonyms	metaphosphatase; acid phosphoanhydride phosphohydrolase; Gra-Pase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.6.1.11
CAS No.	9024-85-5
Reaction	(polyphosphate)n + H2O = (polyphosphate)n-1 + 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 ℃.