Creative Enzymes®

Mn2+-dependent ADP-ribose/CDP-alcohol diphosphatase

Cat. No. EXWM-4625

Lot. No. (See product label)

Introduction

Description	Requires Mn2+. Unlike EC 3.6.1.13, ADP-ribose diphosphatase, it cannot utilize Mg2+. ADP-D-ribose, CDP-choline, CDP-ethanolamine and ADP are substrates for this enzyme but ADP-D-glucose, UDP-D-glucose, CDP-D-glucose, CDP, CMP and AMP are not hydrolysed. In rat, the enzyme is found predominantly in thymus and spleen.
Synonyms	Mn2+-dependent ADP-ribose/CDP-alcohol pyrophosphatase; ADPRibase-Mn

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.6.1.53
Reaction	(1) CDP-choline + H2O = CMP + phosphocholine; (2) ADP-D-ribose + H2O = AMP + D-ribose 5-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 ℃.