Creative Enzymes®

peroxyureidoacrylate/ureidoacrylate amidohydrolase

Cat. No. EXWM-4390

Lot. No. (See product label)

Introduction

Description	The enzyme also shows activity towards ureidoacrylate. Part of the Rut pyrimidine catabolic pathway.
Synonyms	RutB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.110
Reaction	(1) (Z)-3-ureidoacrylate peracid + H2O = (Z)-3-peroxyaminoacrylate + CO2 + NH3 (overall reaction); (1a) (Z)-3-ureidoacrylate peracid + H2O = (Z)-3-peroxyaminoacrylate + carbamate; (1b) carbamate = CO2 + NH3 (spontaneous); (2) (Z)-2-methylureidoacrylate peracid + H2O = (Z)-2-methylperoxyaminoacrylate + CO2 + NH3 (overall reaction); (2a) (Z)-2-methylureidoacrylate peracid + H2O = (Z)-2-methylperoxyaminoacrylate + carbamate; (2b) carbamate = CO2 + NH3 (spontaneous)
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 ℃.