Creative Enzymes®

interstitial collagenase

Cat. No. EXWM-4353

Lot. No. (See product label)

Introduction

Description	The enzyme takes its name from substrates of the interstitial collagen group - types I, II and III, all of which are cleaved in the helical domain. However, α-macroglobulins are cleaved much more rapidly. The enzyme is widely distributed in vertebrate animals. Type example of peptidase family M10
Synonyms	vertebrate collagenase; matrix metalloproteinase 1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.24.7
CAS No.	9001-12-1
Reaction	Cleavage of the triple helix of collagen at about three-quarters of the length of the molecule from the N-terminus, at Gly775┼Ile in the α1(I) chain. Cleaves synthetic substrates and α-macroglobulins at bonds where P1' is a hydrophobic residue
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 ℃.