Creative Enzymes®

cathepsin X

Cat. No. EXWM-4081

Lot. No. (See product label)

Introduction

Description	Cathepsin X is a lysosomal cysteine peptidase of family C1 (papain family). The pH optimum is dependent on the substrate and is 5.0 for the carboxypeptidase activity. Unstable above pH 7.0. Compound E-64, leupeptin and antipain are inhibitors, but not cystatin C. Cathepsin X is ubiquitously distributed in mammalian tissues. The propeptide is extremely short (38 amino acid residues) and the proenzyme is catalytically active. Human gene locus: 20q13.
Synonyms	cathepsin B2; cysteine-type carboxypeptidase; cathepsin IV; cathepsin Z; acid carboxypeptidase; lysosomal carboxypeptidase B

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.18.1
CAS No.	37217-21-3
Reaction	Release of C-terminal amino acid residues with broad specificity, but lacks action on C-terminal proline. Shows weak endopeptidase activity
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 ℃.