Creative Enzymes®

cathepsin V

Cat. No. EXWM-4218

Lot. No. (See product label)

Introduction

Description	Cathepsin V is a human lysosomal cysteine endopeptidase of family C1 (papain family) that is maximally active at pH 5.7 and unstable at neutral pH. Compound E-64, leupeptin and chicken cystatin are inhibitors. Human cathepsin V shows expression restricted to thymus, testis, corneal epithelium and some colon and breast carcinomas. Human gene locus: 9q22.2
Synonyms	Cathepsin L2; cathepsin U

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.22.43
CAS No.	223670-00-6
Reaction	The recombinant enzyme hydrolyses proteins (serum albumin, collagen) and synthetic substrates (Z-Phe-Arg-NHMec > Z-Leu-Arg-NHMec > Z-Val-Arg-NHMec)
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 ℃.