Creative Enzymes®

hepsin

Cat. No. EXWM-4101

Lot. No. (See product label)

Introduction

Description	This type-II membrane-associated serine peptidase has been implicated in cell growth and development. The enzyme has been shown to activate blood coagulation factor VII by cleavage of the Arg152┼Ile153 peptide bound in BHK cells, thus indicating a possible role in the initiation of blood coagulation. There is no cleavage after aromatic or aliphatic residues. The occupancy of the S2 site is an absolute requirement for catalysis and a basic residue at that site is preferred to an aliphaticresidue. The nature of the residue at S3 also affects hydrolysis, with Gln being much more favourable than Ala. Belongs in peptidase family S1A.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.106
CAS No.	112398-23-9
Reaction	Cleavage after basic amino-acid residues, with Arg strongly preferred to Lys
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 ℃.