Creative Enzymes®

matriptase

Cat. No. EXWM-4104

Lot. No. (See product label)

Introduction

Description	This trypsin-like integral-membrane serine peptidase has been implicated in breast cancer invasion and metastasis. The enzyme can activate hepatocyte growth factor/scattering factor (HGF/SF) by cleavage of the two-chain form at an Arg residue to give active α- and β-HGF, but It does not activate plasminogen, which shares high homology with HGF.The enzyme can also activate urokinase plasminogen activator (uPA), which initiates the matrix-degrading peptidase cascade. Belongs in peptidase family S1A.
Synonyms	serine protease 14; membrane-type serine protease 1; MT-SP1; prostamin; serine protease TADG-15; tumor-associated differentially-expressed gene 15 protein; ST14; breast cancer 80 kDa protease; epithin; serine endopeptidase SNC19

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.109
CAS No.	241475-96-7
Reaction	Cleaves various synthetic substrates with Arg or Lys at the P1 position and prefers small side-chain amino acids, such as Ala and Gly, at the P2 position
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 ℃.