

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.