

## furin

Cat. No. EXWM-4167

Lot. No. (See product label)

### Introduction

#### Description

One of a group of peptidases in peptidase family S8 (subtilisin family) that is structurally and functionally similar to kexin. All are activated by  $\text{Ca}^{2+}$ , contain Cys near the active site His, and are inhibited by p-mercuribenzoate. At least three related enzymes are recognized in mammals: PC2, PC3 and PC4, which have somewhat different specificities

#### Synonyms

prohormone convertase; dibasic processing enzyme; PACE; paired basic amino acid cleaving enzyme; paired basic amino acid converting enzyme; serine proteinase PACE; PC1; SPC3; proprotein convertase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.21.75

#### CAS No.

141760-45-4

#### Reaction

Release of mature proteins from their proproteins by cleavage of -Arg-Xaa-Yaa-Arg+ bonds, where Xaa can be any amino acid and Yaa is Arg or Lys. Releases albumin, complement component C3 and von Willebrand factor from their respective precursors

#### 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.