

## separase

Cat. No. EXWM-4224

Lot. No. (See product label)

### Introduction

**Description** In both budding yeast and human cells, cleavage of the cohesin subunit Scc1 by separase is required for sister chromatid separation in mitosis. Budding yeast separase is also known to cleave the Rec8 subunit of a meiotic cohesin complex and the kinetochore protein Slk19. Type example of peptidase family C50.

**Synonyms** separin

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.4.22.49

**CAS No.** 351527-77-0

**Reaction** All bonds known to be hydrolysed by this endopeptidase have arginine in P1 and an acidic residue in P4. P6 is often occupied by an acidic residue or by an hydroxy-amino-acid residue, the phosphorylation of which enhances cleavage

**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.