Creative Enzymes®

L-peptidase

Cat. No. EXWM-4221

Lot. No. (See product label)

Introduction

Description Best known from foot-and-mouth disease virus, but occurs in other aphthoviruses and cardioviruses. Destruction of initiation factor eIF-4G has the effect of shutting off host-cell protein synthesis while allowing synthesis of viral proteins to continue. The tertiary structure reveals a distant relationship to papain and, consistent with this, compound E-64 is inhibitory. Type example of peptidase family C28.

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.4.22.46

Reaction Autocatalytically cleaves itself from the polyprotein of the foot-and-mouth disease virus by hydrolysis of a Lys┼Gly bond, but then cleaves host cell initiation factor eIF-4G at bonds -Gly┼Arg- and -Lys┼Arg-

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 ℃.