Creative Enzymes®

scytalidopepsin B

Cat. No. EXWM-4270

Lot. No. (See product label)

Introduction

Description	A second endopeptidase from Scytalidium lignicolum (see scytalidopepsin A) that is insensitive to pepstatin and methyl 2-diazoacetamidohexanoate. 1,2-Epoxy-3-(p-nitrophenoxy)propane reacts with Glu53, which replaces one of the aspartic residues at the active centre. One of the smallest aspartic endopeptidases active as the monomer, with Mr 22,000. Similarly inhibitor-resistant endopeptidases are found in the basidiomycetes Lentinus edodes and Ganoderma lucidum, and in Polyporus tulipiferae, a second endopeptidase distinct from polyporopepsin, but these are of typical aspartic endopeptidase size, Mr about 36,000. Type example of peptidase family G1.
Synonyms	Scytalidium aspartic proteinase B; Ganoderma lucidum carboxyl proteinase; Ganoderma lucidum aspartic proteinase; Scytalidium lignicolum aspartic proteinase B; SLB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.23.32
CAS No.	104781-89-7
Reaction	Hydrolysis of proteins with broad specificity, cleaving Phe24┼Phe, but not Leu15-Tyr and Phe25-Tyr in the B chain of insulin
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 ℃.