Creative Enzymes®

hercynylcysteine S-oxide synthase

Cat. No. EXWM-1061

Lot. No. (See product label)

Introduction

Description	Requires Fe2+ for activity. The enzyme, found in fungal species, is part of a fusion protein that also has the the activity of EC 2.1.1.44, L-histidine Nα-methyltransferase. It is part of the biosynthesis pathway of ergothioneine. The enzyme can also use L-selenocysteine to produce hercynylselenocysteine, which can be converted to selenoneine.
Synonyms	Egt1; Egt-1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.99.51
Reaction	hercynine + L-cysteine + O2 = S-(hercyn-2-yl)-L-cysteine S-oxide + H2O
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 ℃.