

peptidylglycine monooxygenase

Cat. No. EXWM-0961

Lot. No. (See product label)

Introduction

Description A copper protein. Peptidylglycines with a neutral amino acid residue in the penultimate position are the best substrates for the enzyme. The product is unstable and dismutates to glyoxylate and the corresponding desglycine peptide amide, a reaction catalysed by EC 4.3.2.5 peptidylamidoglycolate lyase. Involved in the final step of biosynthesis of α -melanotropin and related biologically active peptides.

Synonyms peptidylglycine 2-hydroxylase; peptidyl α -amidating enzyme; peptide- α -amide synthetase; synthase, peptide α -amide; peptide α -amidating enzyme; peptide α -amide synthase; peptidylglycine α -hydroxylase; peptidylglycine α -amidating monooxygenase; PAM-A; PAM-B; PAM

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.17.3

CAS No. 90597-47-0

Reaction peptidylglycine + ascorbate + O₂ = peptidyl(2-hydroxyglycine) + dehydroascorbate + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.