

## 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 $\alpha$ -melanotropin and related biologically active peptides.
Synonyms	peptidylglycine 2-hydroxylase; peptidyl $\alpha$ -amidating enzyme; peptide- $\alpha$ -amide synthetase; synthase, peptide $\alpha$ -amide; peptide $\alpha$ -amidating enzyme; peptide $\alpha$ - amide synthase; peptidylglycine $\alpha$ -hydroxylase; peptidylglycine $\alpha$ -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.