

procollagen-lysine 5-dioxygenase

Cat. No. EXWM-0658

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺ and ascorbate.

Synonyms

lysine hydroxylase; lysine,2-oxoglutarate 5-dioxygenase; procollagen lysine dioxygenase; collagen lysine hydroxylase; lysine-2-oxoglutarate dioxygenase; lysyl hydroxylase; lysylprocollagen dioxygenase; procollagen lysyl hydroxylase; peptidyl-lysine, 2-oxoglutarate: oxygen oxidoreductase; peptidyllysine, 2-oxoglutarate:oxygen 5-oxidoreductase; procollagen lysine hydroxylase; procollagen-L-lysine,2-oxoglutarate:oxygen oxidoreductase (5-hydroxylating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.4

CAS No.

9059-25-0

Reaction

L-lysine-[procollagen] + 2-oxoglutarate + O₂ = (2S,5R)- 5-hydroxy-L-lysine-[procollagen] + succinate + CO₂

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.