

cysteamine dioxygenase

Cat. No. EXWM-0538

Lot. No. (See product label)

Introduction

Description

A non-heme iron protein that is involved in the biosynthesis of taurine. Requires catalytic amounts of a cofactor-like compound, such as sulfur, sulfide, selenium or methylene blue for maximal activity. 3-Aminopropanethiol (homocysteamine) and 2-mercaptoethanol can also act as substrates, but glutathione, cysteine, and cysteine ethyl- and methyl esters are not good substrates.

Synonyms

persulfurase; cysteamine oxygenase;cysteamine:oxygen oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.19

CAS No.

9033-41-4

Reaction

2-aminoethanethiol + O₂ = hypotaurine

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.