Creative Enzymes®

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, sufide, 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.