Creative Enzymes®

2-aminoethylphosphonate dioxygenase

Cat. No. EXWM-0665

Lot. No. (See product label)

Introduction

Description	Requires Fe2+ and ascorbate. The enzyme, characterized from an uncultured marine bacterium, is involved in a (2-aminoethyl)phosphonate degradation pathway.
Synonyms	phnY (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.11.46
Reaction	(2-aminoethyl)phosphonate + 2-oxoglutarate + O2 = (2-amino-1-hydroxyethyl)phosphonate + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.