Creative Enzymes®

L-gulonolactone oxidase

Cat. No. EXWM-0426

Lot. No. (See product label)

Introduction

Description	A microsomal flavoprotein (FAD). The product spontaneously isomerizes to L-ascorbate. While most higher animals can synthesize asborbic acid, primates and guinea pigs cannot.
Synonyms	L-gulono-γ-lactone: O2 oxidoreductase; L-gulono-γ-lactone oxidase; L-gulono-γ-lactone:oxidoreductase; GLO

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.3.8
CAS No.	9028-78-8
Reaction	L-gulono-1,4-lactone + O2 = L-ascorbate + H2O2 (overall reaction); (1a) L-gulono-1,4-lactone + O2 = L-xylo-hex-2-ulono-1,4-lactone + H2O2; (1b) L-xylo-hex-2-ulono-1,4-lactone = L-ascorbate (spontaneous)
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 ℃.