Creative Enzymes®

geranylgeranyl-bacteriochlorophyllide a reductase

Cat. No. EXWM-1284

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the successive reduction of the geranylgeraniol esterifying group to phytol, reducing three out of four double bonds, and transforming geranylgeranyl bacteriochlorophyllide a via dihydrogeranylgeranyl bacteriochlorophyllide a and tetrahydrogeranylgeranyl bacteriochlorophyllide a to bacteriochlorophyll a. The enzyme can also accept the pheophytin derivative geranylgeranyl bacteriopheophytin, converting it to bacteriopheophytin a.
Synonyms	geranylgeranyl-bacteriopheophytin reductase; bchP (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.111
Reaction	bacteriochlorophyll a + 3 NADP+ = geranylgeranyl bacteriochlorophyllide a + 3 NADPH + 3 H+
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 ℃.