

## 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.