

## 3,8-divinyl protochlorophyllide a 8-vinyl-reductase (ferredoxin)

Cat. No. EXWM-1394

Lot. No. (See product label)

## Introduction

**Description** The enzyme, found in many phototrophic bacteria, land plants, and some green

and red algae, is involved in the production of monovinyl versions of

(bacterio)chlorophyll pigments from their divinyl precursors. Binds two [4Fe-4S] clusters and an FAD cofactor. It can also act on 3,8-divinyl chlorophyllide a, 3,8-

divinyl chlorophyll a, and chlorophyll c2. cf. EC 1.3.1.75, 3,8-divinyl

protochlorophyllide a 8-vinyl-reductase (NADPH).

**Synonyms** bciB (gene name); cyano-type divinyl chlorophyllide a 8-vinyl-reductase

## **Product Information**

**Form** Liquid or lyophilized powder

**EC Number** EC 1.3.7.13

**Reaction** protochlorophyllide a + 2 oxidized ferredoxin [iron-sulfur] cluster = 3,8-divinyl

protochlorophyllide a + 2 reduced ferredoxin [iron-sulfur] cluster + 2 H+

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**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 $\sim$ -80 °C.

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