Creative Enzymes®

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

*Cat. No. EXWM-1344*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | The enzyme, found in higher plants, green algae, and some phototrophic bacteria, is involved in the production of monovinyl versions of (bacterio)chlorophyll pigments from their divinyl precursors. It can also act on 3,8-divinyl chlorophyllide a. cf. EC 1.3.7.13, 3,8-divinyl protochlorophyllide a 8-vinyl-reductase (ferredoxin). |
| ***Synonyms*** | DVR (gene name); bciA (gene name); [4-vinyl]chlorophyllide a reductase; 4VCR; chlorophyllide-a:NADP+ oxidoreductase; divinyl chlorophyllide a 8-vinyl-reductase; plant-type divinyl chlorophyllide a 8-vinyl-reductase |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.3.1.75 |
| ***Reaction*** | protochlorophyllide a + NADP+ = 3,8-divinyl protochlorophyllide a + NADPH + 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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |