Creative Enzymes®

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

Cat. No. EXWM-1344

Lot. No. (See product label)

Introduction

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

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

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