Creative Enzymes®

# hexaprenyl diphosphate synthase [geranylgeranyl-diphosphate specific]

*Cat. No.* EXWM-2820

*Lot. No.* (See product label)

## Introduction

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|---|---|
| **Description** | The enzyme prefers geranylgeranyl diphosphate to farnesyl diphosphate as an allylic substrate and does not show activity for geranyl diphosphate and dimethylallyl diphosphate. Requires Mg2+. |
| **Synonyms** | HexPS(ambiguous); (all-E) hexaprenyl diphosphate synthase; (all-trans) hexaprenyl diphosphate synthase; hexaprenyl pyrophosphate synthase (ambiguous); HexPPs (ambiguous); hexaprenyl diphosphate synthase (ambiguous) |

## Product Information

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|---|---|
| **Form** | Liquid or lyophilized powder |
| **EC Number** | EC 2.5.1.82 |
| **Reaction** | geranylgeranyl diphosphate + 2 isopentenyl diphosphate = 2 diphosphate + all-trans-hexaprenyl diphosphate |
| **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 ℃. |