Creative Enzymes®

# tetrahydrosarcinapterin synthase

*Cat. No. EXWM-5750*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | This enzyme catalyses the biosynthesis of 5,6,7,8-tetrahydrosarcinapterin, a modified form of tetrahydromethanopterin found in the Methanosarcinales. It does not require K+, and does not discriminate between ATP and GTP. |
| ***Synonyms*** | H4MPT:α-L-glutamate ligase; MJ0620; MptN protein |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 6.3.2.33 |
| ***Reaction*** | ATP + tetrahydromethanopterin + L-glutamate = ADP + phosphate + 5,6,7,8-tetrahydrosarcinapterin |
| ***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 ℃. |