Creative Enzymes®

# Rhizobium leguminosarum exopolysaccharide glucosyl ketal-pyruvate-transferase

*Cat. No.* EXWM-2837

*Lot. No.* (See product label)

## Introduction

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| **Description** | The enzyme is responsible for pyruvylation of subterminal glucose in the acidic octasaccharide repeating unit of the exopolysaccharide of Rhizobium leguminosarum (bv. viciae strain VF39) which is necessary to establish nitrogen-fixing symbiosis with Pisum sativum, Vicia faba, and Vicia sativa. |
| **Synonyms** | PssM |

## Product Information

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| **Form** | Liquid or lyophilized powder |
| **EC Number** | EC 2.5.1.98 |
| **Reaction** | phosphoenolpyruvate + [D-GlcA-β-(1→4)-2-O-Ac-D-GlcA-β-(1→4)-D-Glc-β-(1→4)-[3-O-CH3-CH2CH(OH)C(O)-D-Gal-β-(1→4)-D-Glc-β-(1→4)-D-Glc-β-(1→4)-D-Glc-β-(1→6)]-2(or3)-O-Ac-D-Glc-α-(1→6)]n = [D-GlcA-β-(1→4)-2-O-Ac-D-GlcA-β-(1→4)-D-Glc-β-(1→4)-[3-O-CH3-CH2CH(OH)C(O)-D-Gal-β-(1→3)-4,6-CH3(COO-)C-D-Glc-β-(1→4)-D-Glc-β-(1→4)-D-Glc-β-(1→6)]-2(or3)-O-Ac-D-Glc-α-(1→6)]n + phosphate |
| **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 ℃. |