Creative Enzymes®

Rhizobium leguminosarum exopolysaccharide glucosyl ketal-pyruvate-transferase

Cat. No. EXWM-2837

Lot. No. (See product label)

Introduction

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

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

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