Creative Enzymes®

Native Leuconostoc Mesenteroides Sucrose Phosphorylase

Cat. No. NATE-0890

Lot. No. (See product label)

Introduction

Description	Sucrose phosphorylase (EC. 2.4.1.7) is an important enzyme in the metabolism of sucrose and regulation of other metabolic intermediates. Sucrose phosphorylase is in the class of hexosyltransferases. More specifically it has been placed in the retaining glycoside hydrolases family although it catalyzes a transglycosidation rather than hydrolysis. Sucrose phosphorylase catalyzes the conversion of sucrose to D-fructose and α-D-glucose-1-phosphate. It has been shown in multiple experiments that the enzyme catalyzes this conversion by a double displacement mechanism.
Synonyms	Sucrose Phosphorylase; EC 2.4.1.7; sucrose glucosyltransferase; disaccharide glucosyltransferase; Sucrose:orthophosphate α-D-glucosytransferase

Product Information

Source	Leuconostoc Mesenteroides
Form	Lyophilized powder
EC Number	EC. 2.4.1.7
CAS No.	9074-06-0
Activity	> 100 units/mg protein
Contaminants	Lactate dehydrogenase: < 0.01%

Storage and Shipping Information

Storage	Store at -20°C