

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-glucosyltransferase

Product Information

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| 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