Creative Enzymes®

Maltose Phosphorylase from Enterococcus sp., Recombinant

Cat. No. NATE-0456

Lot. No. (See product label)

Introduction

Description	Maltose phosphorylase (MP) is a dimeric enzyme that catalyzes maltose and inorganic phosphate into β-D-glucose-1-phosphate and glucose.
Applications	Maltose phosphorylase from Enter oc occus has been used in a study to describe a new pathway for maltose utilization in lactic acid bacteria. It has also been used in a study to describe the transfer of glucosyl moiety of maltose to acceptors with alcoholic OH groups.
Synonyms	maltose phosphorylase; maltose:phosphate 1-β-D-glucosyltransferase; EC 2.4.1.8; 9030-19-7; MP

Product Information

Species	Enterococcus sp.
Source	E. coli
Form	lyophilized powder
EC Number	EC 2.4.1.8
CAS No.	9030-19-7
Molecular Weight	mol wt 90 kDa by SDS-PAGE
Unit Definition	One unit will produce 1.0 μmole of D-Glucose from maltose per minute at pH 7.0 at 30°C.

Storage and Shipping Information

Storage	−20°C