

## 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  $\beta$ -D-glucose-1-phosphate and glucose.

#### Applications

Maltose phosphorylase from Enterococcus 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- $\beta$ -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  $\mu$ mole of D-Glucose from maltose per minute at pH 7.0 at 30°C.

### Storage and Shipping Information

#### Storage

-20°C