Creative Enzymes®

maltose O-acetyltransferase

Cat. No. EXWM-2259

Lot. No. (See product label)

Introduction

Description	Not identical with EC 2.3.1.18, galactoside O-acetyltransferase. The acetyl group is added exclusively to the C6 position of glucose and to the C6 position of the non-reducing glucose residue of maltose. Other substrates of this enzyme are glucose, which is a better substrate than maltose, and mannose and frucose, which are poorer substrates than maltose. Isopropyl-β-thio-galactose, which is a good substrate for EC 2.3.1.118 is a poor substrate for this enzyme.
Synonyms	maltose transacetylase; maltose O-acetyltransferase; MAT

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.79
CAS No.	81295-47-8
Reaction	acetyl-CoA + maltose = CoA + 6-O-acetyl-α-D-glucopyranosyl-(1→4)-D-glucose
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 ℃.