

## sucrose synthase

Cat. No. EXWM-2355

Lot. No. (See product label)

### Introduction

**Description** Although UDP is generally considered to be the preferred nucleoside diphosphate for sucrose synthase, numerous studies have shown that ADP serves as an effective acceptor molecule to produce ADP-glucose. Sucrose synthase has a dual role in producing both UDP-glucose (necessary for cell wall and glycoprotein biosynthesis) and ADP-glucose (necessary for starch biosynthesis).

**Synonyms** UDPglucose-fructose glucosyltransferase; sucrose synthetase; sucrose-UDP glucosyltransferase; sucrose-uridine diphosphate glucosyltransferase; uridine diphosphoglucose-fructose glucosyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.13

**CAS No.** 9030-05-1

**Reaction** NDP-glucose + D-fructose = NDP + sucrose

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.