

## UTP-monosaccharide-1-phosphate uridylyltransferase

Cat. No. EXWM-3275

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup> or Mn<sup>2+</sup> for maximal activity. The reaction can occur in either direction and it has been postulated that MgUTP and Mg-diphosphate are the actual substrates. The enzyme catalyses the formation of UDP-Glc, UDP-Gal, UDP-GlcA, UDP-L-Ara and UDP-Xyl, showing broad substrate specificity towards monosaccharide 1-phosphates. Mannose 1-phosphate, L-Fucose 1-phosphate and glucose 6-phosphate are not substrates and UTP cannot be replaced by other nucleotide triphosphates.

#### Synonyms

UDP-sugar pyrophosphorylase; PsUSP

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.7.64

#### Reaction

UTP + a monosaccharide 1-phosphate = diphosphate + UDP-monosaccharide

#### 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.