Creative Enzymes®

UTP-monosaccharide-1-phosphate uridylyltransferase

Cat. No. EXWM-3275

Lot. No. (See product label)

Introduction

Description	Requires Mg2+ or Mn2+ 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.