Creative Enzymes®

UDP-sugar diphosphatase

Cat. No. EXWM-4622

Lot. No. (See product label)

Introduction

Description	A divalent cation is required for activity. UDP-sugar is the best substrate, although other nucleoside-sugar diphosphates are used as substrates with similar Km values but much lower maximum velocities. Thus, this enzyme has a specificity distinct from that of ADP-sugar diphosphatase (EC 3.6.1.21). Some but not all enzymes of this class also appear to have 5'-nucleotidase (see EC 3.1.3.5) activity.
Synonyms	nucleosidediphosphate-sugar pyrophosphatase; nucleosidediphosphate-sugar diphosphatase; UDP-sugar hydrolase; UDP-sugar pyrophosphatase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.6.1.45
CAS No.	55354-38-6
Reaction	UDP-sugar + H2O = UMP + α-D-aldose 1-phosphate
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 ℃.