

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