

## 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**  $\text{UDP-sugar} + \text{H}_2\text{O} = \text{UMP} + \alpha\text{-D-aldose 1-phosphate}$

**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.