

## UDP-N-acetylmuramate dehydrogenase

Cat. No. EXWM-1368

Lot. No. (See product label)

### Introduction

**Description** A flavoprotein (FAD). NADH can to a lesser extent replace NADPH.

**Synonyms** MurB reductase; UDP-N-acetylenolpyruvoylglucosamine reductase; UDP-N-acetylglucosamine-enolpyruvate reductase; UDP-GlcNAc-enolpyruvate reductase; uridine diphosphoacetylpyruvoylglucosamine reductase; uridine diphospho-N-acetylglucosamine-enolpyruvate reductase; uridine-5'-diphospho-N-acetyl-2-amino-2-deoxy-3-O-lactylglucose:NADP-oxidoreductase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.3.1.98

**CAS No.** 39307-28-3

**Reaction**  $\text{UDP-N-acetyl-}\alpha\text{-D-muramate} + \text{NADP}^+ = \text{UDP-N-acetyl-3-O-(1-carboxyvinyl)-}\alpha\text{-D-glucosamine} + \text{NADPH} + \text{H}^+$

**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.