

## uridine-5'-phosphate dioxygenase

Cat. No. EXWM-0668

Lot. No. (See product label)

### Introduction

**Description** The enzyme catalyses a net dephosphorylation and oxidation of UMP to generate 5'-dehydrouridine, the first intermediate in the biosynthesis of the unusual aminoribosyl moiety found in several C7-furanosyl nucleosides such as A-90289s, caprazamycins, liposidomycins, muraymycins and FR-900453. Requires Fe<sup>2+</sup>.

**Synonyms** lipL (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.11.49

**Reaction** UMP + 2-oxoglutarate + O<sub>2</sub> = 5'-dehydrouridine + succinate + CO<sub>2</sub> + 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.