

## 4'-demethylrebeccamycin synthase

Cat. No. EXWM-5306

Lot. No. (See product label)

### Introduction

**Description** This enzyme catalyses a step in the biosynthesis of rebeccamycin, an indolocarbazole alkaloid produced by the bacterium *Lechevalieria aerocolonigenes*. The enzyme is a glycosylase, and acts in the reverse direction to that shown. It has a wide substrate range, and was shown to glycosylate several substrates, including the staurosporine aglycone, EJG-III-108A, J-104303, 6-N-methyl-arcyriaflavin C and indolo-[2,3-a]-carbazole.

**Synonyms** arcyriaflavin A N-glycosyltransferase; RebG

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.3.3.5

**Reaction** 4'-O-demethylrebeccamycin + H<sub>2</sub>O = dichloro-arcyriaflavin A + β-D-glucose

**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.