

## tetracenomycin F2 synthase

Cat. No. EXWM-2183

Lot. No. (See product label)

## Introduction

**Description** A multi-domain polyketide synthase involved in the synthesis of tetracenomycin in

the bacterium Streptomyces glaucescens. It involves a ketosynthase complex (TcmKL), an acyl carrier protein (TcmM), a malonyl CoA:ACP acyltransferase (MAT), and a cyclase (TcmN). A malonyl-CoA molecule is initially bound to the acyl carrier protein and decarboxylated to form an acetyl starter unit. Additional two-carbon

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units are added from nine more malonyl-CoA molecules.

**Synonyms** TCM PKS

## **Product Information**

**Form** Liquid or lyophilized powder

**EC Number** EC 2.3.1.235

**Reaction** 10 malonyl-CoA = tetracenomycin F2 + 10 CoA + 10 CO2 + 2 H2O

**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 $\sim$ -80 °C.

**Tel:** 1-631-562-8517 1-516-512-3133 **Email:** info@creative-enzymes.com