

## curcumin synthase

Cat. No. EXWM-2163

Lot. No. (See product label)

### Introduction

#### Description

A polyketide synthase from the plant *Curcuma longa* (turmeric). Three isoforms exist, CURS1, CURS2 and CURS3. While CURS1 and CURS2 prefer feruloyl-CoA as a starter substrate, CURS3 can accept 4-coumaroyl-CoA equally well (see EC 2.3.1.219, demethoxycurcumin synthase).

#### Synonyms

CURS; CURS1 (gene name); CURS2 (gene name); CURS3 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.217

#### Reaction

feruloyl-CoA + feruloylacetyl-CoA + H<sub>2</sub>O = 2 CoA + curcumin + CO<sub>2</sub>

#### 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.