

## 4-coumarate-CoA ligase

Cat. No. EXWM-5670

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of ligases, to be specific those forming carbon-sulfur bonds as acid-thiol ligases. This enzyme participates in phenylpropanoid biosynthesis.

**Synonyms** 4-coumaroyl-CoA synthetase; p-coumaroyl CoA ligase; p-coumaryl coenzyme A synthetase; p-coumaryl-CoA synthetase; p-coumaryl-CoA ligase; feruloyl CoA ligase; hydroxycinnamoyl CoA synthetase; 4-coumarate:coenzyme A ligase; caffeoyl coenzyme A synthetase; p-hydroxycinnamoyl coenzyme A synthetase; feruloyl coenzyme A synthetase; sinapoyl coenzyme A synthetase; 4-coumaryl-CoA synthetase; hydroxycinnamate:CoA ligase; p-coumaryl-CoA ligase; p-hydroxycinnamic acid:CoA ligase; 4CL

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.2.1.12

**CAS No.** 37332-51-7

**Reaction**  $\text{ATP} + 4\text{-coumarate} + \text{CoA} = \text{AMP} + \text{diphosphate} + 4\text{-coumaroyl-CoA}$

**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.