Creative Enzymes®

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; caffeolyl 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	ATP + 4-coumarate + CoA = AMP + diphosphate + 4-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.