Creative Enzymes®

arogenate dehydrogenase (NADP+)

Cat. No. EXWM-1347

Lot. No. (See product label)

Introduction

Description	Arogenate dehydrogenases may utilize NAD+ (EC 1.3.1.43), NADP+ (EC 1.3.1.78), or both (EC 1.3.1.79). NADP+-dependent enzymes usually predominate in higher plants.The enzyme from the cyanobacterium Synechocystis sp. PCC 6803 and the TyrAAT1 isoform of the plant Arabidopsis thaliana cannot use prephenate as a substrate, while the Arabidopsis isoform TyrAAT2 can use it very poorly.
Synonyms	arogenic dehydrogenase (ambiguous); pretyrosine dehydrogenase (ambiguous); TyrAAT1; TyrAAT2; TyrAa

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.78
CAS No.	64295-75-6
Reaction	L-arogenate + NADP+ = L-tyrosine + NADPH + CO2
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 ℃.