Creative Enzymes®

resorcinol 4-hydroxylase (FADH2)

Cat. No. EXWM-0924

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the bacterium Rhizobium sp. strain MTP-10005, uses FADH2 as a substrate rather than a cofactor. FADH2 is provided by a dedicated EC 1.5.1.36, flavin reductase (NADH). The enzyme participates in the degradation of γ-resorcylate and resorcinol. cf. EC 1.14.13.220, resorcinol 4-hydroxylase (NADH), and EC 1.14.13.219, resorcinol 4-hydroxylase (NADPH).
Synonyms	graA (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.14.27
Reaction	resorcinol + FADH2 + O2 = hydroxyquinol + FAD + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.