

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 -resorcyate 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.