

ferredoxin-NAD(P)⁺ reductase (naphthalene dioxygenase ferredoxin-specific)

Cat. No. EXWM-1112

Lot. No. (See product label)

Introduction

Description The enzyme from the aerobic bacterium *Ralstonia* sp. U2 donates electrons to both EC 1.14.12.12, naphthalene 1,2-dioxygenase and EC 1.14.13.172, salicylate 5-hydroxylase. The enzyme from *Pseudomonas* NCIB 9816 is specific for the ferredoxin associated with naphthalene dioxygenase; it contains FAD and a [2Fe-2S] cluster.

Synonyms NADH-ferredoxin(NAP) reductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.18.1.7

Reaction 2 reduced [2Fe-2S] ferredoxin + NAD(P)⁺ + H⁺ = 2 oxidized [2Fe-2S] ferredoxin + NAD(P)H

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.