

quinate/shikimate dehydrogenase

Cat. No. EXWM-0190

Lot. No. (See product label)

Introduction

Description

This is the second shikimate dehydrogenase enzyme found in Escherichia coli and differs from EC 1.1.1.25, shikimate dehydrogenase, in that it can use both quinate and shikimate as substrate and either NAD⁺ or NADP⁺ as acceptor.

Synonyms

YdiB

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.282

Reaction

(1) L-quinatate + NAD(P)⁺ = 3-dehydroquinatate + NAD(P)H + H⁺; (2) shikimate + NAD(P)⁺ = 3-dehydroshikimate + NAD(P)H + 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.