

## quininate/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<sup>+</sup> or NADP<sup>+</sup> as acceptor.

**Synonyms** YdiB

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.282

**Reaction** (1) L-quininate + NAD(P)<sup>+</sup> = 3-dehydroquininate + NAD(P)H + H<sup>+</sup>; (2) shikimate + NAD(P)<sup>+</sup> = 3-dehydroshikimate + NAD(P)H + H<sup>+</sup>

**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.