

## shikimate dehydrogenase

Cat. No. EXWM-0155

Lot. No. (See product label)

### Introduction

#### Description

NAD<sup>+</sup> cannot replace NADP<sup>+</sup>. In higher organisms, this enzyme forms part of a multienzyme complex with EC 4.2.1.10, 3-dehydroquinate dehydratase.

#### Synonyms

dehydroshikimic reductase; shikimate oxidoreductase; shikimate:NADP<sup>+</sup> oxidoreductase; 5-dehydroshikimate reductase; shikimate 5-dehydrogenase; 5-dehydroshikimic reductase; DHS reductase; shikimate:NADP<sup>+</sup> 5-oxidoreductase; AroE

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.25

#### CAS No.

9026-87-3

#### Reaction

shikimate + NADP<sup>+</sup> = 3-dehydroshikimate + NADPH + 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.