

## dihydroorotate dehydrogenase (NADP+)

Cat. No. EXWM-1289

Lot. No. (See product label)

### Introduction

#### Description

Binds FMN and FAD. Other class 1 dihydroorotate dehydrogenases use either fumarate (EC 1.3.98.1) or NAD<sup>+</sup> (EC 1.3.1.14) as electron acceptor. The membrane bound class 2 dihydroorotate dehydrogenase (EC 1.3.5.2) uses quinone as electron acceptor.

#### Synonyms

orotate reductase; dihydro-orotic dehydrogenase; L-5,6-dihydro-orotate:NAD<sup>+</sup> oxidoreductase; orotate reductase (NADPH)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.3.1.15

#### CAS No.

37255-27-9

#### Reaction

(S)-dihydroorotate + NADP<sup>+</sup> = orotate + 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.