Creative Enzymes®

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+ (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+ 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+ = orotate + NADPH + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.