Creative Enzymes®

succinate-semialdehyde dehydrogenase (NADP+)

Cat. No. EXWM-1181

Lot. No. (See product label)

Introduction

Description	This enzyme participates in the degradation of glutamate and 4-aminobutyrate.It is similar to EC 1.2.1.24 [succinate-semialdehyde dehydrogenase (NAD+)], and EC 1.2.1.16 [succinate-semialdehyde dehydrogenase (NAD(P)+)], but is specific for NADP+. The enzyme from Escherichia coli is 20-fold more active with NADP+ than NAD+.
Synonyms	succinic semialdehyde dehydrogenase (NADP+); succinyl semialdehyde dehydrogenase (NADP+); succinate semialdehyde:NADP+ oxidoreductase; NADP-dependent succinate-semialdehyde dehydrogenase; GabD

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.79
Reaction	succinate semialdehyde + NADP+ + H2O = succinate + NADPH + 2 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 ℃.