Creative Enzymes®

serine 3-dehydrogenase (NADP+)

Cat. No. EXWM-0183

Lot. No. (See product label)

Introduction

Description	NAD+ cannot replace NADP+ [cf. EC 1.1.1.387, serine 3-dehydrogenase (NAD+)].
Synonyms	serine 3-dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.276
CAS No.	9038-55-5
Reaction	L-serine + NADP+ = 2-aminoacetaldehyde + CO2 + NADPH + H+ (overall reaction); (1a) L-serine + NADP+ = 2-aminomalonate semialdehyde + NADPH + H+; (1b) 2-aminomalonate semialdehyde = 2-aminoacetaldehyde + CO2 (spontaneous)
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 ℃.