Creative Enzymes®

15-hydroxyprostaglandin dehydrogenase (NADP+)

Cat. No. EXWM-0100

Lot. No. (See product label)

Introduction

Description	Acts on prostaglandins E2, F2α and B1, but not on prostaglandin D2 [cf. EC 1.1.1.141 15-hydroxyprostaglandin dehydrogenase (NAD+) and EC 1.1.1.196 15-hydroxyprostaglandin-D dehydrogenase (NADP+)]. May be identical with EC 1.1.1.189 prostaglandin-E2 9-reductase.
Synonyms	NADP-dependent 15-hydroxyprostaglandin dehydrogenase; NADP-linked 15-hydroxyprostaglandin dehydrogenase; NADP-specific 15-hydroxyprostaglandin dehydrogenase; type II 15-hydroxyprostaglandin dehydrogenase; 15-hydroxyprostaglandin dehydrogenase (NADP)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.197
CAS No.	54989-39-8
Reaction	(13E)-(15S)-11α,15-dihydroxy-9-oxoprost-13-enoate + NADP+ = (13E)-11α-hydroxy-9,15-dioxoprost-13-enoate + 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 ℃.