

## 15-hydroxyprostaglandin dehydrogenase (NAD<sup>+</sup>)

Cat. No. EXWM-0045

Lot. No. (See product label)

### Introduction

#### Description

Acts on prostaglandin E2, F2 $\alpha$  and B1, but not on prostaglandin D2. cf. EC 1.1.1.196 15-hydroxyprostaglandin-D dehydrogenase (NADP<sup>+</sup>) and EC 1.1.1.197 15-hydroxyprostaglandin dehydrogenase (NADP<sup>+</sup>).

#### Synonyms

NAD<sup>+</sup>-dependent 15-hydroxyprostaglandin dehydrogenase (type I); PGDH; 11 $\alpha$ ,15-dihydroxy-9-oxoprost-13-enoate:NAD<sup>+</sup> 15-oxidoreductase; 15-OH-PGDH; 15-hydroxyprostaglandin dehydrogenase; 15-hydroxyprostanoic dehydrogenase; NAD<sup>+</sup>-specific 15-hydroxyprostaglandin dehydrogenase; prostaglandin dehydrogenase; 15-hydroxyprostaglandin dehydrogenase (NAD<sup>+</sup>); (5Z,13E)-(15S)-11 $\alpha$ ,15-dihydroxy-9-oxoprost-13-enoate:NAD<sup>+</sup> 15-oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.141

#### CAS No.

9030-87-9

#### Reaction

(5Z,13E,15S)-11 $\alpha$ ,15-dihydroxy-9-oxoprost-5,13-dienoate + NAD<sup>+</sup> = (5Z,13E)-11 $\alpha$ -hydroxy-9,15-dioxoprost-5,13-dienoate + NADH + 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.