

## phosphonoacetaldehyde reductase (NADH)

Cat. No. EXWM-0220

Lot. No. (See product label)

### Introduction

**Description** The enzyme from *Streptomyces viridochromogenes* catalyses a step in the biosynthesis of phosphinothricin tripeptide, the reduction of phosphonoacetaldehyde to 2-hydroxyethylphosphonate. The preferred cofactor is NADH, lower activity with NADPH.

**Synonyms** PhpC

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.309

**Reaction** 2-hydroxyethylphosphonate + NAD<sup>+</sup> = phosphonoacetaldehyde + 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.