

## imidazoleglycerol-phosphate dehydratase

Cat. No. EXWM-5012

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of lyases, specifically the hydro-lyases, which cleave carbon-oxygen bonds. This enzyme participates in histidine metabolism as it is involved in the 6th step of histidine biosynthesis as part of a nine step cyclical pathway.

**Synonyms** IGP dehydratase; D-erythro-1-(imidazol-4-yl)glycerol 3-phosphate hydro-lyase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.19

**CAS No.** 9024-35-5

**Reaction** D-erythro-1-(imidazol-4-yl)glycerol 3-phosphate = 3-(imidazol-4-yl)-2-oxopropyl phosphate + H<sub>2</sub>O

**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.