

## GMP reductase

Cat. No. EXWM-1614

Lot. No. (See product label)

### Introduction

**Description** It converts nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and maintains intracellular balance of A and G nucleotides. In melanocytic cells, GMP reductase gene expression may be regulated by MITF.

**Synonyms** guanosine 5'-monophosphate reductase; NADPH:GMP oxidoreductase (deaminating); guanosine monophosphate reductase; guanylate reductase; NADPH2:guanosine-5'-phosphate oxidoreductase (deaminating); guanosine 5'-phosphate reductase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.7.1.7

**CAS No.** 9029-32-7

**Reaction**  $\text{IMP} + \text{NH}_3 + \text{NADP}^+ = \text{GMP} + \text{NADPH} + \text{H}^+$

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.