

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.