

## GTP cyclohydrolase IIa

Cat. No. EXWM-4556

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup>. This enzyme catalyses the hydrolysis of the imidazole ring of guanosine 5'-triphosphate, N7-methylguanosine 5'-triphosphate or inosine 5'-triphosphate. Xanthosine 5'-triphosphate and ATP are not substrates. It also catalyses the hydrolysis of diphosphate to form two equivalents of phosphate. Unlike GTP cyclohydrolase II (EC 3.5.4.25), this enzyme does not release formate, but does hydrolyse the diphosphate from GTP to phosphate.

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.4.29

#### Reaction

$GTP + 3 H_2O = 2\text{-amino-5-formylamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one} + 2 \text{ phosphate}$

#### 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.