

## 8-oxo-dGTP diphosphatase

Cat. No. EXWM-4627

Lot. No. (See product label)

### Introduction

**Description** This enzyme hydrolyses the phosphoanhydride bond between the  $\alpha$  and  $\beta$  phosphate of 8-oxoguanine-containing nucleoside di- and triphosphates thereby preventing misincorporation of the oxidized purine nucleoside triphosphates into DNA. It does not hydrolyse 2-hydroxy-dATP (cf. EC 3.6.1.56, 2-hydroxy-dATP diphosphatase). Requires  $Mg^{2+}$ .

**Synonyms** MutT; 7,8-dihydro-8-oxoguanine triphosphatase; 8-oxo-dGTPase; 7,8-dihydro-8-oxo-dGTP pyrophosphohydrolase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.6.1.55

**Reaction**  $8\text{-oxo-dGTP} + \text{H}_2\text{O} = 8\text{-oxo-dGMP} + \text{diphosphate}$

**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.