Creative Enzymes®

dUTP diphosphatase

Cat. No. EXWM-4607

Lot. No. (See product label)

Introduction

Description	This enzyme has a dual function: on one hand, it removes dUTP from the deoxynucleotide pool, which reduces the probability of this base being incorporated into DNA by DNA polymerases, while on the other hand, it produces the dTTP precursor dUMP. Lack or inhibition of dUTPase action leads to harmful perturbations in the nucleotide pool resulting in increased uracil content of DNA that activates a hyperactive futile cycle of DNA repair.
Synonyms	deoxyuridine-triphosphatase; dUTPase; dUTP pyrophosphatase; desoxyuridine 5'-triphosphate nucleotidohydrolase; desoxyuridine 5'-triphosphatase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.6.1.23
CAS No.	37289-34-2
Reaction	dUTP + H2O = dUMP + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.