Creative Enzymes®

Modified T7 RNA polymerase

Cat. No. NATE-1698

Lot. No. (See product label)

Introduction

Description	A modified T7 RNA polymerase that orthogonally recognizes a non-natural promoter sequence: 5’-TAATACCGGTCACTATA, where the underlined residues differ from wild-type.
Synonyms	CGG-R12-KIR

Product Information

Form	Liquid
EC Number	EC 2.7.7.6
CAS No.	9014-24-8
Molecular Weight	100.142 kDa
Purity	> 98% (SDS-PAGE)
Concentration	0.5mg/Ml
Buffer	50 mM Tris, 50 mM NaCl, 1 mM DTT, 0.1% Triton-X 100, 0.1 mM EDTA, 50% glycerol
Unit Definition	One unit is defined as the amount of enzyme that will incorporate 1 nmol ATP into acid-insoluble material in a total reaction volume of 50 ul in 1 hour at 37°C in 1X RNA Polymerase Reaction Buffer.

Storage and Shipping Information

Storage	at -20 °C