

## 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 µl in 1 hour at 37°C in 1X RNA Polymerase Reaction Buffer.

### Storage and Shipping Information

**Storage** at -20 °C