

DNA Polymerase Alpha from Human, Recombinant

Cat. No. NATE-1922

Lot. No. (See product label)

Introduction

Description

DNA polymerase alpha also known as Pol α is an enzyme complex found in eukaryotes that is involved in initiation of DNA replication. The DNA polymerase alpha complex consists of 4 subunits: POLA1, POLA2, PRIM1, and PRIM2.

Synonyms

DNA polymerase alpha; DNA polymerase; Pol α

Product Information

Species

Human

EC Number

EC 2.7.7.7

CAS No.

9012-90-2

Activity

16,835 units/mg, 5 units/ μ l

Concentration

0.297 mg/ml

Buffer

20 mM Tris-HCl (pH 8.0) 0.25 mM EDTA 50 mM NaCl 1.0 mM β -mercaptoethanol 0.1% Triton X-100™ 50% (v/v) glycerol

Unit Definition

One unit is the amount of enzyme required to incorporate 1 nmol of total nucleotide into acid-insoluble form in 60 minutes at 37°C.

Storage and Shipping Information

Storage

Store at -80°C Note: Avoid multiple freeze / thaw cycles or frequent temperature changes