9051 Mira Mesa Blvd, #910094
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POLE3 Human

Polymerase (DNA Directed), Epsilon 3 Human Recombinant
RCP1679

Product Overview

Name	POLE3 Human

Description

Polymerase (DNA Directed), Epsilon 3 Human Recombinant

Accession (Primary)	Q9NRF9

Synonyms

CHARAC17, CHRAC17, p17, YBL1,DNA polymerase epsilon subunit 3, Arsenic-transactivated protein,AsTP, Chromatin accessibility complex 17 kDa protein, HuCHRAC17, DNA polymerase II subunit 3, DNA polymerase epsilon subunit p17, POLE3.

Introduction

Polymerase (DNA Directed), Epsilon 3, also know as POLE3, is a histone-fold protein which interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers merge into larger enzymatic complexes for DNA transcription, replication, and packaging.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The POLE3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MAERPED LNLPNAVITR IIKEALPDGV NISKEARSAI SRAASVFVLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME FQRFVTPLKE ALEAYRREQK GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEEVDN.

Precautions

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POLE3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NRF9)