

AR50965PU-N**Human POLE3 (1-147, His-tag) - Purified****Alternate names:**

Arsenic-transactivated protein, CHRAC17, Chromatin accessibility complex 17, DNA polymerase II subunit 3, DNA polymerase epsilon subunit 3, DNA polymerase epsilon subunit p17

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.
PO

Uniprot ID:

[Q9NRF9](#)

NCBI:

[NP_059139](#)

GeneID:

[54107](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT.

Description:**AA Sequence:**

MGSSHHHHH SGLVPRGSH MGSMARPEP LNLNAVITR IIKEALPDGV NISKEARSAI
SRAASVFLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME FQRFVTPLKE ALEAYRREQK
GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEEVDN

Molecular weight: 19 kDa (170aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Bolognese F, Imbriano C, et al. (2000). Nucleic Acids Res. 28(19):3830-8. Li Y, Pursell ZF, et al. (2000). J Biol Chem. 275(30):23247-52.

Pictures:

