

### 32-4475: Recombinant Human Polymerase (DNA Directed), Epsilon 3

**Alternative Name :** 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.

#### Description

Source : Escherichia Coli. POLE3 Human Recombinant produced in E. coli is a single polypeptide chain containing 170 amino acids (1-147) and having a molecular mass of 19kDa. POLE3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

#### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The POLE3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMARPEP LNLNAVITR IIKEALPDGV NISKEARSAI  
SRAASVFLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME FQRFVTPLKE ALEAYRREQK  
GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEVDN.

