

## Polymerase (DNA Directed), Epsilon 3 Human Recombinant

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| <b>Item Number</b>                       | rAP-4551  |
| <b>Synonyms</b>                          | 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.                              |
| <b>Description</b>                       | 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.      |
| <b>Uniprot Accession Number</b>          | Q9NRF9  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSMARPEP LNLPNVITR IIEALPDGV NISKEARSAI<br>SRAASVFLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME QRFVTPLKE ALEAYRREQK GKKEASE-<br>QKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEVDN.   |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear solution. 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. |
| <b>Formulation and Purity</b>            | The POLE3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.  |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               |   |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**