

Recombinant Human POLE3 cell lysate

Cat. No. POLE3-1391HCL Lot. No. (See product label)

SPECIFICATION

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| Species | Human |
| Description | 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. |
| Size | 100 ul |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| Applications | Western Blot; |

GENE INFORMATION

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| Gene Name | POLE3 polymerase (DNA directed), epsilon 3 (p17 subunit) [Homo sapiens] |
| Official Symbol | POLE3 |
| Synonyms | POLE3; polymerase (DNA directed), epsilon 3 (p17 subunit); DNA polymerase epsilon subunit 3; arsenic transactivated protein; CHARAC17; CHRAC17; chromatin accessibility complex 17; DNA polymerase epsilon p17 subunit; histone fold protein CHRAC17; p17; Ybl1; asTP; CHRAC-17; huCHRAC17; DNA polymerase II subunit 3; arsenic-transactivated protein; DNA polymerase epsilon subunit p17; chromatin accessibility complex 17 kDa protein; YBL1; |

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| Gene ID | 54107 |
| mRNA Refseq | NM_017443 |
| Protein Refseq | NP_059139 |
| MIM | 607267 |
| UniProt ID | Q9NRF9 |
| Chromosome Location | 9q33 |
| Pathway | Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; DNA polymerase epsilon complex, organism-specific biosystem; DNA replication, organism-specific biosystem; DNA replication, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; |
| Function | DNA-directed DNA polymerase activity; nucleotidyltransferase activity; protein binding; sequence-specific DNA binding; transferase activity; |

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