Recombinant Human POLE3, His-tagged

Cat. No. POLE3-28362TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, His-Tag at N terminus (Human).
Species	Human
Source	E.coli
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.
Conjugation	HIS
Tissue specificity	Expressed in all tissues tested, including, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium AzideConstituents: 3mM Sodium chloride, 2.5mM Imidazole, 10mM Tris, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.

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GENE INFORMATION

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
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;
Function	DNA-directed DNA polymerase activity; nucleotidyltransferase activity; protein binding; sequence-specific DNA binding; transferase activity;

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