

Recombinant Human POLE3, His-tagged

Cat. No. POLE3-397H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLE3 was expressed in <i>E. Coli</i> using an N-terminal His tag. MW=16.9 kDa.
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.
Sequence	1-147.
Purity	~95%.
Specific Activity	n/aH.
Applications	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Buffer	10 mM Tris, pH 8.0, 0.002% NaN ₃ , 3mM NaCl, 2.5mM.
Storage	Store at -70°C. As with any protein, exposing POLE3 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

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SDS-PAGE

SDS PAGE Analysis of POLE3 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION

Gene Name POLE3 polymerase (DNA directed), epsilon 3 (p17 subunit) [Homo sapiens]

Synonyms

POLE3; polymerase (DNA directed), epsilon 3 (p17 subunit); DNA polymerase epsilon p17 subunit; DNA-directed DNA polymerase epsilon 3; arsenic transactivated protein; chromatin accessibility complex 17; histone fold protein CHRAC17; p17; YBL1; CHRAC17; CHARAC17

Gene ID

54107

mRNA Refseq

NM_017443

Protein Refseq

NP_059139

MIM

607267

UniProt ID

Q9NRF9

Chromosome Location

9q33

Pathway

Base excision repair; DNA replication; Metabolic pathways; Nucleotide excision repair; Purine metabolism; Pyrimidine metabolism

Function

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

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