Recombinant Human POLE3, His-tagged

Cat. No. POLE3-7630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POLE3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-147aa
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. POLE3 has been shown to interact with SMARCA5.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	19kDa (170aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAERPED LNLPNAVITR IIKEALPDGV NISKEARSAI SRAASVFVLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME FQRFVTPLKE ALEAYRREQK GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEEVDN
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml

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; asTP; CHRAC-17; huCHRAC17; DNA polymerase II subunit 3; arsenic-transactivated protein; DNA polymerase epsilon subunit p17; chromatin accessibility complex 17 kDa protein; YBL1;
Gene ID	54107
mRNA Refseq	NM_017443
Protein Refseq	NP_059139
MIM	607267
UniProt ID	Q9NRF9
Chromosome	9q33

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Location	
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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