

Recombinant Human POLD3 cell lysate

Cat. No. POLD3-1389HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The DNA polymerase delta complex is involved in DNA replication and repair, and it consists of the proliferating cell nuclear antigen (PCNA; MIM 176740), the multisubunit replication factor C (see MIM 102579), and the 4 subunit polymerase complex: POLD1 (MIM 174761), POLD2 (MIM 600815), POLD3, and POLD4 (MIM 611525) (Liu and Warbrick, 2006 [PubMed 16934752]).
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

Gene Name	POLD3 polymerase (DNA-directed), delta 3, accessory subunit [Homo sapiens]
Official Symbol	POLD3
Synonyms	POLD3; polymerase (DNA-directed), delta 3, accessory subunit; DNA polymerase delta subunit 3; KIAA0039; P66; P68; DNA polymerase delta subunit p66; MGC119642; MGC119643;

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Gene ID	10714
mRNA Refseq	NM_006591
Protein Refseq	NP_006582
MIM	611415
UniProt ID	Q15054
Chromosome Location	11q14
Pathway	Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Repair, organism-specific biosystem;
Function	DNA-directed DNA polymerase activity; nucleotidyltransferase activity; protein binding; transferase activity;