

Recombinant Human POLD1 protein, His & GST-tagged

Cat. No. POLD1-8025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLD1 aa. (Met41~Phe254 (Accession # P28340)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met41~Phe254
Description	This gene encodes the 125-kDa catalytic subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 6.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.9.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	POLD1 DNA polymerase delta 1, catalytic subunit [Homo sapiens (human)]
Official Symbol	POLD1
Synonyms	CDC2; MDPL; POLD; CRCS10; CDC2 homolog; DNA polymerase subunit delta p125; polymerase (DNA directed), delta 1, catalytic subunit 125kDa; polymerase (DNA) delta 1, catalytic subunit; DNA polymerase delta catalytic subunit
Gene ID	5424
mRNA Refseq	NM_001256849.1

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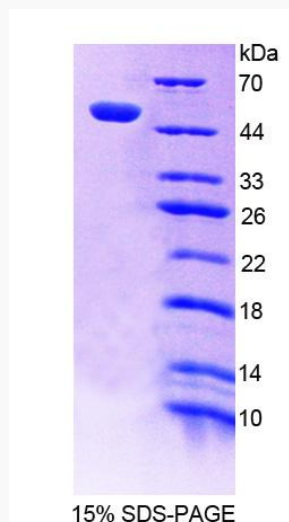
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Protein Refseq NP_001243778.1

UniProt ID P28340

SDS-PAGE



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