

Recombinant Human POLA1 protein, His & T7-tagged

Cat. No. POLA1-8020H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLA1 aa. (Gly1240~Ser1462 (Accession # P09884)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly1240~Ser1462
Description	This gene encodes the catalytic subunit of DNA polymerase, which together with a regulatory and two primase subunits, forms the DNA polymerase alpha complex. The catalytic subunit plays an essential role in the initiation of DNA replication.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.6.
Applications	SDS-PAGE; WB; ELISA; IP

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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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

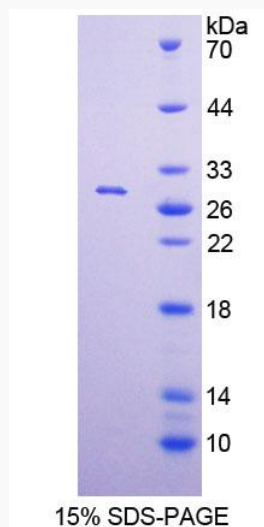
Gene Name	POLA1 DNA polymerase alpha 1, catalytic subunit [Homo sapiens (human)]
Official Symbol	POLA1
Synonyms	NSX; POLA; p180; DNA polymerase alpha catalytic subunit p180; polymerase (DNA directed), alpha 1, catalytic subunit; polymerase (DNA) alpha 1, catalytic subunit; polymerase (DNA-directed), alpha (70kD); DNA polymerase alpha catalytic subunit
Gene ID	5422
mRNA Refseq	NM_001330360.1
Protein Refseq	NP_001317289.1
UniProt ID	P09884

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SDS-PAGE



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