

Recombinant Human POLD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POLD4-5944H **Lot. No.** (See product label)

SPECIFICATION

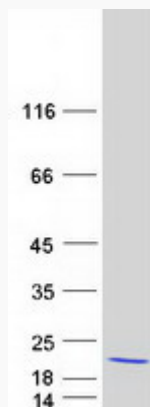
Product Overview	POLD4 MS Standard C13 and N15-labeled recombinant protein (NP_066996) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the smallest subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	12.4 kDa
AA Sequence	MGRKRLITDSYPVVKRREGPAGHSGELAPELGEEPQPRDEEEAELELLRQFDLAW QYGPCTGITRLQRWCRAKHMGLEPPPEVWQVLKTHPGDPRFQCSLWHLPLTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	POLD4 DNA polymerase delta 4, accessory subunit [Homo sapiens (human)]
Official Symbol	POLD4
Synonyms	POLD4; polymerase (DNA-directed), delta 4; DNA polymerase delta subunit 4; DNA polymerase delta smallest subunit p12; p12; POLDS;
Gene ID	57804
mRNA Refseq	NM_021173
Protein Refseq	NP_066996
MIM	611525
UniProt ID	Q9HCU8

SDS-PAGE

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