

Recombinant Human POLD2 Protein, His-tagged

Cat. No. POLD2-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLD2, transcript variant 2, fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes the 50-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. The encoded protein is required for the stimulation of DNA polymerase delta activity by the processivity cofactor proliferating cell nuclear antigen (PCNA). Expression of this gene may be a marker for ovarian carcinomas. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5.
Form	Supplied as a 0.2 μM filtered solution of PBS, 10% Glycerol, pH 7.4
Molecular Mass	52.3kD
AA Sequence	MFSEQAAQRAHTLLSPPSANNATFARVPVATYTNSSQPFRLGERSFSRQYAHYAT RLIQMRPFLENRAQQHWGSGVGVKKLCELQPEEKCCVVGTLFKAMPLQPSILREVS EEHNLLPQPPRSKYIHPDDELVEDELQRIKLKGTIDVSKLVTGTVLAVFGSVRDDGK FLVEDYCFADLAPQKPAPPLDTRFVLLVSGLGGLGGGGGESLLGTQLLVDTVGTGQL GDEGEQCSAAHVSRVILAGNLLSHSTQSR

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Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name POLD2 polymerase (DNA directed), delta 2, regulatory subunit 50kDa [Homo sapiens]

Official Symbol POLD2

Synonyms POLD2; polymerase (DNA directed), delta 2, regulatory subunit 50kDa; polymerase (DNA directed), delta 2, regulatory subunit (50kD); DNA polymerase delta subunit 2; DNA polymerase delta subunit p50;

Gene ID 5425

mRNA Refseq NM_006230

Protein Refseq NP_006221

MIM 600815

UniProt ID P49005

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