

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

Cat. No. POLL-3002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLL MS Standard C13 and N15-labeled recombinant protein (NP_037406) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a DNA polymerase. DNA polymerases catalyze DNA-template-directed extension of the 3'-end of a DNA strand. This particular polymerase, which is a member of the X family of DNA polymerases, likely plays a role in non-homologous end joining and other DNA repair processes. Alternatively spliced transcript variants have been described.
Molecular Mass	63.4 kDa
AA Sequence	MDPRGILKAFPKRQKIHADASSKVLAKIPRREEGEEAEWLSSLRAHVVRTGIGRAR AELFEKQIVQHGGQLCPAQGPGVTHIVVDEGMDYERALLRLPQLPPGAQLVKSA WLSLCLQERRLVDVAGFSIFIPSRYLDPQPSKAEQDASIPPGTHEALLQTALSPPPP PTRPVSPQKAKEAPNTQAQPISDDEASDGEETQVSAADLEALISGHYPTSLEGDCE PSPAPAVLDKWVCAQPSSQKATNHNHTEKLEVLAKAYSVQGDKWRALGYAKAIN ALKSFHKPVTSYQGACSIPIGIGKRMAEKIIEILESGHLRKLDHISESVPVLELFSNIWGA GKTQAMWYQQGFRSLEDIRSQASLTQQAIGLKHYSDFLERMPREEATEIEQTVQ KAAQAFNSGLLCVACGSYRRGKATCGDVDVLITHPDGRSHRGIFSRLDLSLRQEGF

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LTDDLVSQEENGQQQKYLGVCRLPGPGRRHRLDIIVVPYSEFACALLYFTGSAHFN
RSMRALAKTKGMSLSEHALSTAVVRNTHGCKVGPGRVLPTPTEKDVFRLLGLPYRE
PAERDWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

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 POLL DNA polymerase lambda [Homo sapiens (human)]

Official Symbol POLL

Synonyms POLL; polymerase (DNA directed), lambda; DNA polymerase lambda; DNA polymerase kappa; DNA polymerase beta-2; DNA polymerase beta-N; BETAN; POLKAPPA; FLJ46002;

Gene ID 27343

mRNA Refseq NM_013274

Protein Refseq NP_037406

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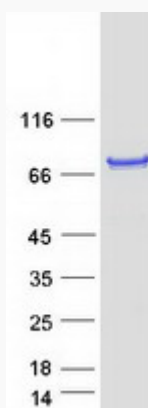
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MIM 606343

UniProt ID Q9UGP5

SDS-PAGE



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