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	MDPRGILKAFPKRQKIHADASSKVLAKIPRREEGEEAEEWLSSLRAHVVRTGIGRAR AELFEKQIVQHGGQLCPAQGPGVTHIVVDEGMDYERALRLLRLPQLPPGAQLVKSA WLSLCLQERRLVDVAGFSIFIPSRYLDHPQPSKAEQDASIPPGTHEALLQTALSPPPP PTRPVSPPQKAKEAPNTQAQPISDDEASDGEETQVSAADLEALISGHYPTSLEGDCE PSPAPAVLDKWVCAQPSSQKATNHNLHITEKLEVLAKAYSVQGDKWRALGYAKAIN ALKSFHKPVTSYQGACSIPGIGKRMAEKIIEILESGHLRKLDHISESVPVLELFSNIWGA GTKTAQMWYQQGFRSLEDIRSQASLTTQQAIGLKHYSDFLERMPREEATEIEQTVQ KAAQAFNSGLLCVACGSYRRGKATCGDVDVLITHPDGRSHRGIFSRLLDSLRQEGF

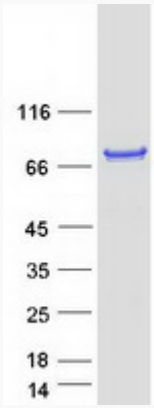
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	LTDDLVSQEENGQQQKYLGVCRLPGPGRRHRRLDIIVVPYSEFACALLYFTGSAHFN RSMRALAKTKGMSLSEHALSTAVVRNTHGCKVGPGRVLPTPTEKDVFRLLGLPYRE PAERDWTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months 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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MIM	606343
UniProt ID	Q9UGP5
SDS-PAGE	

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