Recombinant Human POLM protein

Cat. No. POLM-1529H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human POLM protein was expressed in E. coli.
Species	Human
Source	E.coli
Description	DNA polymerase μis a member of the X family DNA polymerases. Human Polμis unique in that it is highly prone to frameshift DNA synthesis. This polymerase is also capable of translesion synthesis in vitro. Polμmay play a role in non-homologous end joining (NHEJ) for double strand break DNA repair.
Molecular Mass	55 kDa
Usage	Reaction Buffer: 25 mM potassium phosphate (pH 7.0), 5 mM MgCl2, 5 mM DTT, 100 g/ml BSA, 10% glycerol, 50-100 μM dNTPs. Dilution Buffer: 25 mM Tris-HCl (pH 7.5), 2.5 mM β-mercaptoethanol, 50% glycerol.
Full Length	Full L.

GENE INFORMATION

Gene Name	POLM polymerase (DNA directed), mu [Homo sapiens]
Official Symbol	POLM

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Synonyms	POLM; polymerase (DNA directed), mu; DNA-directed DNA/RNA polymerase mu; Pol iota; Tdt N; DNA polymerase mu; terminal transferase; polymerase (DNA-directed), mu; Tdt-N; Pol Mu; FLJ35482;
Gene ID	27434
mRNA Refseq	NM_013284
Protein Refseq	NP_037416
MIM	606344
UniProt ID	Q9NP87

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