

Recombinant Human POLI protein

Cat. No. POLI-1526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLI protein was expressed in E. coli.
Species	Human
Source	E.coli
Description	DNA polymerase iota is a member of the Y family DNA polymerases. It is involved in translesion synthesis, either error-free or error-prone, depending on the specific types of DNA lesion. Human Pol ι is unique in that it predominantly incorporates a G opposite the template T during DNA synthesis from undamaged templates.
Molecular Mass	80 kDa
Usage	Reaction Buffer: 25 mM potassium phosphate (pH 7.0), 5 mM MgCl ₂ , 5 mM DTT, 100 μ g/ml BSA, 10% glycerol, 50-100 μ M dNTPs. Dilution Buffer: 25 mM Tris-HCl (pH 7.5), 2.5 mM β -mercaptoethanol, 50% glycerol.

GENE INFORMATION

Gene Name	POLI polymerase (DNA directed) iota [Homo sapiens]
Official Symbol	POLI
Synonyms	POLI; polymerase (DNA directed) iota; RAD3OB, RAD30B; DNA polymerase iota; eta2; RAD30 homolog B; polymerase (DNA-directed), iota; RAD30B; RAD3OB;

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Gene ID	11201
mRNA Refseq	NM_007195
Protein Refseq	NP_009126
MIM	605252
UniProt ID	Q9UNA4

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