

Recombinant Human POLH

Catalog No: #GP13152



Package Size: #GP13152-1 100ug

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Description

Product Name	Recombinant Human POLH
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 215-414 amino acids of human POLH
Target Name	DNA polymerase eta
Other Names	XPV; XP-V; RAD30; RAD30A
Accession No.	Swissprot:Q9Y253Gene Accession:BC015742
Uniprot	Q9Y253
GeneID	5429;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a member of the Y family of specialized DNA polymerases. It copies undamaged DNA with a lower fidelity than other DNA-directed polymerases. However, it accurately replicates UV-damaged DNA; when thymine dimers are present, this polymerase inserts the complementary nucleotides in the newly synthesized DNA, thereby bypassing the lesion and suppressing the mutagenic effect of UV-induced DNA damage. This polymerase is thought to be involved in hypermutation during immunoglobulin class switch recombination. Mutations in this gene result in XPV, a variant type of xeroderma pigmentosum. Several transcript variants encoding different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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