

Recombinant Human UNG protein

Cat. No. UNG-1547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UNG protein was expressed in E. coli.
Species	Human
Source	E.coli
Description	This is the nuclear form of Uracil-DNA glycosylase (UNG). It is a DNA glycosylase without associated AP lyase activity (monofunctional glycosylase). Uracil in single-stranded and doublestranded DNA is the major substrate of this enzyme. The glycosylase is highly active in removing uracil residues from DNA by hydrolyzing the C-N glycosylic bond. Reaction products are free uracil and AP site in DNA. Uracil-DNA glycosylase is widely used for base excision repair studies and used for generating natural AP sites in DNA.
Form	50 mM Tris-HCl (pH7.5), 500 mM NaCl, and 10% glycerol.
Molecular Mass	40 kDa (35 UNG2 + ~5 kDa N-terminal tag)
Storage	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.
Full Length	Full L.

GENE INFORMATION

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Gene Name	UNG uracil DNA glycosylase [Homo sapiens (human)]
Official Symbol	UNG2
Synonyms	DGU; UDG; UNG1; UNG2; HIGM4; HIGM5; UNG15; UNG; uracil DNA glycosylase
Gene ID	7374
mRNA Refseq	NM_003362.3
Protein Refseq	NP_003353.1
MIM	191525
UniProt ID	P13051

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