

# Recombinant Human UNG Protein, C-Myc/DDK-Tagged

**Cat. No.** UNG-02H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human UNG Protein, C-Myc/DDK-Tagged was expressed in HEK293T cell
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine deamination or misincorporation of dUMP residues. Alternative promoter usage and splicing of this gene leads to two different isoforms: the mitochondrial UNG1 and the nuclear UNG2. The UNG2 term was used as a previous symbol for the CCNO gene (GeneID 10309), which has been confused with this gene, in the literature and some databases.</p>
<b>Molecular Mass</b>	34.5 kDa
<b>AA Sequence</b>	<p>MIGQKTLYSFFSPSPARKRHAPSPEPAVQGTGVAGVPEESGDAAAIPAKKAPAGQE            EPGTPPSSPLSAEQ            LDRIQRNKAAALLRLAARNVPVGFGEVSWKKHLSGEFGKPYFIKLMGFVAEERKHHTV            YPPPHQVFTWTQM            CDIKDVKVVILGQDPYHGPNQAHGLCFSVQRPVPPPPSLENIYKELSTDIEDFVHPG            HGDLSGWAKQGVV</p>

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LLNAVLTVRAHQANSHKERGWQFTDAVVSWLNQNSNGLVFLWGSYAQKKGSAI  
 DRKRHHVLQTAHPSP  
 LSVYRGFFGCRHFSKTNELLQKSGKKPIDWKEL

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80°C.

**Concentration** >50 ug/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

## GENE INFORMATION

**Gene Name** UNG uracil DNA glycosylase [ Homo sapiens (human) ]

**Official Symbol** UNG

**Synonyms** DGU; UDG; UNG1; UNG2; HIGM4; HIGM5; UNG15

**Gene ID** 7374

**mRNA Refseq** NM\_080911.3

**Protein Refseq** NP\_550433

**MIM** 191525

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