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

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

SPECIFICATION

Product Overview	Recombinant Human UNG Protein, C-Myc/DDK-Tagged was expressed in HEK293T cell
Species	Human
Source	HEK293
Description	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.
Molecular Mass	34.5 kDa
AA Sequence	MIGQKTLYSFFSPSPARKRHAPSPEPAVQGTGVAGVPEESGDAAAIPAKKAPAGQE EPGTPPSSPLSAEQ LDRIQRNKAAALLRLAARNVPVGFGESWKKHLSGEFGKPYFIKLMGFVAEERKHYTV YPPPHQVFTWTQM CDIKDVKVVILGQDPYHGPNQAHGLCFSVQRPVPPPPSLENIYKELSTDIEDFVHPG HGDLSGWAKQGVL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LLNAVLTVRAHQANSHKERGWEQFTDAVVSWLNQNSNGLVFLLWGSYAQKKGSAI 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P13051

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA