Recombinant Human Uracil-DNA glycosylase (UNG)

Product Code	CSB-EP025641HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13051
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MIGQKTLYSF FSPSPARKRH APSPEPAVQG TGVAGVPEES GDAAAIPAKK APAGQEEPGT PPSSPLSAEQ LDRIQRNKAA ALLRLAARNV PVGFGESWKK HLSGEFGKPY FIKLMGFVAE ERKHYTVYPP PHQVFTWTQM CDIKDVKVVI LGQDPYHGPN QAHGLCFSVQ RPVPPPPSLE NIYKELSTDI EDFVHPGHGD LSGWAKQGVL LLNAVLTVRA HQANSHKERG WEQFTDAVVS WLNQNSNGLV FLLWGSYAQK KGSAIDRKRH HVLQTAHPSP LSVYRGFFGC RHFSKTNELL QKSGKKPIDW KEL
Source	E.coli
Target Names	UNG
Protein Names	Recommended name: Uracil-DNA glycosylase Short name= UDG EC= 3.2.2.27
Expression Region	1-313
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.