

Recombinant E.coli uracil-DNA-glycosylase, His-tagged

Cat. No. ung-282E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ung, 1-229aa, E.coli, His tag, E.coli
Species	E.coli
Source	E.coli
ProteinLength	1-229 a.a.
Description	<p>Ung, also known as Uracil-DNA glycosylase, 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. After a mutation occurs, the mutagenic threat of uracil propagates through any subsequent DNA replication steps. Recombinant E.coli ung protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.</p>
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
Molecular Mass	28.1 kDa(252aa) confirmed by MALDI-TOF
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMANELTW HDVLAEEKQQ PYFLNTLQTV ASERQSGVTI YPPQKDFVNA FRFTELGDVK VVILGQDPYH GPGQAHGLAF SVRPGIAIPP SLLNMYKELE NTIPGFTRPN HGYLESWARQ GVLLLNTVLT VRAGQAHA SHA SLGWETFTDK VISLINQHRE GVVFLWWSH AQKKGAIIDK QRHHVLKAPH PSPLSAHRGF FGCNHFVLAN QWLEQRGETP IDWMPVLP AE SE</p>

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ung?uracil-DNA-glycosylase [?Escherichia coli str. K-12 substr. MG1655?]
Official Symbol	ung
Synonyms	ung; ECK2578; JW2564; uracil-DNA-glycosylase; NP_417075.1; EC 3.2.2.-
Gene ID	947067
Protein Refseq	NP_417075
Pathway	Base excision repair

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