# NKMAXBIO We support you, we believe in your research

# Recombinant E.coli ung protein

Catalog Number: ATGP2365

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-229aa

#### UniProt No.

P12295

#### **NCBI Accession No.**

NP 417075

#### **Alternative Names**

Uracil-DNA-glycosylase, ECK2578, JW2564, UDG, UNG1, UNG2, HIGM4

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

28.1 kDa (252aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

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 Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



# NKMAXBio We support you, we believe in your research

# Recombinant E.coli ung protein

Catalog Number: ATGP2365

### **Amino acid Sequence**

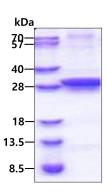
<MGSSHHHHHH SSGLVPRGSH MGS>MANELTW HDVLAEEKQQ PYFLNTLQTV ASERQSGVTI YPPQKDVFNA FRFTELGDVK VVILGQDPYH GPGQAHGLAF SVRPGIAIPP SLLNMYKELE NTIPGFTRPN HGYLESWARQ GVLLLNTVLT VRAGQAHSHA SLGWETFTDK VISLINQHRE GVVFLLWGSH AQKKGAIIDK QRHHVLKAPH PSPLSAHRGF FGCNHFVLAN QWLEQRGETP IDWMPVLPAE SE

#### **General References**

Lindahl T. et al. (1977) J Biol Chem. 252: 3286-3294. Pearl, L. H. et al. (2000) Mutation research 460: 165-181.

## **DATA**

## **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

