

## MUTM E.Coli

**Description:** MUTM Recombinant produced in E. coli is a single polypeptide chain containing 289 amino acids (1-269) and having a molecular mass of 32.4kDa. MUTM is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-596

For research use only.

**Synonyms:** Formamidopyrimidine-DNA glycosylase, FPG.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MPELPEVETS RRGIEPHLVG  
ATILHAVVRN GRLRWPVSEE IYRLSDQPV LSVQRRAKYLL LELPEGWIII HLGMSGSLRI  
LPEELPPEKH DHVDLMSNG KVLRYTDPRR FGAWLWTKEL EGHNVLTHLG PEPLSDDFNG  
EYLHQKCAKK KTAIKPW LMD NKL VVG VGN IYASESLFAAG IHPDRLASSL SLAECELLAR  
VIKAVLLRSI EQ

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The MUTM solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

MUTM is a base excision repair enzyme that identifies and eliminates a large variety of oxidized purines from correspondingly impaired DNA. MUTM is nondismissable and essential to remove quickly its substrate lesions on the chromosome. MUTM, additionally, mends a large number of the lesions recognized by Endo III, signifying that MUTM takes a prominent part in the overall repair of both purine damage and pyrimidine damage in vivo.

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