# Product datasheet for AR50273PU-S

## mutM (1-269, His-tag) Escherichia coli Protein

## Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | mutM (1-269, His-tag) recombinant protein, 50 µg |
| **Species:** | Escherichia coli |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MPELPEVETS RRGIEPHLVG ATILHAVVRN GRLRWPVSEE IYRLSDQPVL SVQRRAKYLL LELPEGWIII HLGMSGSLRI LPEELPPEKH DHVDLVMSNG KVLRYTDPRR FGAWLWTKEL EGHNVLTHLG PEPLSDDFNG EYLHQKCAKK KTAIKPWLMD NKLVVGVGNI YASESLFAAG IHPDRLASSL SLAECELLAR VIKAVLLRSI EQGGTTLKDF LQSDGKPGYF AQELQVYGRK GEPCRVCGTP IVATKHAQRA TFYCRQCQK |
| **Tag:** | His-tag |
| **Predicted MW:** | 32.4 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl, 1 mM DTT |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant E. coli mutM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Summary:** | mutM, also known as formamidopyrimidine DNA glycosylase, is a base excision repair enzyme which recognizes and removes a wide range of oxidized purines from correspondingly damaged DNA. This protein is nonredundant and required to rapidly remove its substrate lesions on the chromosome. In addition, it also repaired a significant portion of the lesions recognized by Endo III, suggesting that it plays a prominent role in the global repair of both purine damage and pyrimidine damage in vivo. |

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## Product images:



15% SDS-PAGE (3ug)

(kDa)
70
57
40
28
18
13.5
8.5

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.