

## Product datasheet for **AR50273PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	mutM (1-269, His-tag) recombinant protein, 0.25 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MPPELPEVETS RRGIEPHLVG ATILHAVVRN GRLRWPVSEE IYRLSDQPVL SVQRRAKYLL LELPEGWIII HLGMSGSLRI LPEELPPEKH DHVDLVMNSG KVLRYTDP FGAWLWTKEL EGHNVLTHLG PEPLSDDFNG EYLHQKCAKK KTAIKPWLMD NKLVVGVGNI YASESLFAAG IHPDRLASSL SLAECELLAR VIKAVLLRSI EQGGTTLKDF LQSDGKPGYF AQELQVYGRK GEPICRVCGTP IVATKHAQRA TFYCRQCQK
Tag:	His-tag
Predicted MW:	32.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein 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. 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:

