

mutM recombinant protein

mutM, 1-269aa, E Coli, His tag, E Coli

CATALOG # AAA48776	HOST E Coli	APPLICATIONS SDS-Page
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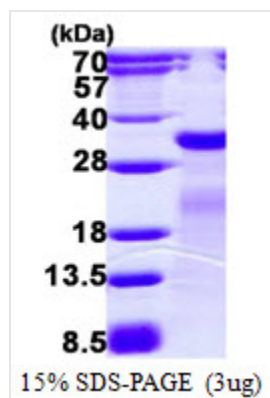
PRODUCT SYNONYMS

mutM; 1-269aa; E Coli; His tag; Formamidopyrimidine-DNA glycosylase; fpg; mutM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MPPELVETS RRGIEPHLVG ATILHAVVRN GRLRWPVSEE IYRLSDQPVLSVQRRAKYLL LELPEGWIII HLGMSGSLRI LPEELPPEKH DHVDLVMSNG KVLRYTDPRR FGAWLWTKEL EGHNVLTHLG PEPLSDDFNG EYLHQKCAKK KTAIKPWLMN NKLVVGVGNI YASESLFAAG IHPDRLASSLSLAECCELLAR VIKAVLLRSI EQGGTTLKDF LQSDGKPGYF AQELQVYGRK GEPCRVCGTP IVATKHAQRA TFYCRQCQK
Sequence Length	269
Applicable Applications for mutM recombinant protein	SDS-PAGE
Antigen Species	E Coli
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for mutM recombinant protein	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. Recombinant E. coli mutM protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for mutM recombinant protein	Enzymes & Proteases
References	Serre L. et al. (2002) EMBO J. 21:2854-2865; Schalow BJ. et al. (2011) J Mol Biol, 410:183-193;

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131506
NCBI GeneID	946765
NCBI Accession #	NP_418092
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P05523; Q2M7U9
Molecular Weight	32.4 kDa (289aa), confirmed by MALDI-TOF
NCBI Official Full Name	formamidopyrimidine/5-formyluracil/ 5-hydroxymethyluracil DNA glycosylase
NCBI Official Symbol	mutM
NCBI Official Synonym Symbols	ECK3625; fpg; JW3610
NCBI Protein Information	formamidopyrimidine/5-formyluracil/ 5-hydroxymethyluracil DNA glycosylase
UniProt Protein Name	Formamidopyrimidine-DNA glycosylase
UniProt Gene Name	mutM
UniProt Synonym Gene Names	fpg; Fapy-DNA glycosylase; AP lyase MutM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mutm-recombinant-protein-e-coli-sds-page/48776>