

Formamidopyrimidine-DNA Glycosylase Recombinant Protein | MUTM recombinant protein

Recombinant E Coli Formamidopyrimidine-DNA Glycosylase

CATALOG # AAA38942	HOST E Coli
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PRODUCT SYNONYMS

Formamidopyrimidine-DNA Glycosylase; Recombinant E Coli Formamidopyrimidine-DNA Glycosylase; MUTM E.Coli; Formamidopyrimidine-DNA Glycosylase E.Coli Recombinant; Formamidopyrimidine-DNA glycosylase; FPG; MUTM recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The MUTM solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMPE LPEVETSRRG IEPHLVGATI LHAVVRNGRL RWPVSEEIYR LSDQPVLSVQ RRAKYLLLEL PEGWIIHLG MSGSLRILPE ELPPEKHDHV DLVMSNGKVL RYTDPRRFGA WLWTKELEGH NVLTHLGPEP LSDDFNGEYL HQKCAKKKTA IKPWLMNDKL VVGVGNIYAS ESLFAAGIHP DRLASSLSLA ECELLARVIK AVLLRSIEQG GTTLKDFLQS DGKPGYFAQE LQVYGRKGEP CRVCGTPIVA TKHAQRATFY CRQCQK
Sequence Length	269
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for MUTM recombinant protein	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. 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.
Product Categories/Family for MUTM recombinant protein	Enzymes; Glycosylase

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131506
NCBI GeneID	946765
NCBI Accession #	NP_418092.1
NCBI GenBank Nucleotide #	NC_000913.3

UniProt Accession #	P05523; Q2M7U9
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
UniProt Entry Name	FPG_ECOLI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mutm-recombinant-protein-e-coli/38942>