

Recombinant E.coli Fpg, His-tagged

Cat. No. mutM-88E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli Formamidopyrimidine-DNA Glycosylase/Fpg is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Lys269) of E. coli Fpg.
Species	E.coli
Source	E.coli
ProteinLength	1-269 a.a.
Description	Fpg Acts as DNA glycosylase that releases damaged bases preferentially from duplex DNA. It has an associated class I AP(apurinic/aprimidinic) lyase activity.Fpg Cleaves the DNA backbone to generate a single-strand break at the site of the removed base, The C-O-P bond 3' to the apurinic or apyrimidinic site in DNA is broken by a beta-elimination reaction, leaving 3' and 5' phosphoryl groups.
Form	Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM EDTA, 1mM DTT, 50% Glycerol, pH 7.8
AA Sequence	MPELPEVETSRRGIEPHLVGATILHAVVRNGRLRWPVSEEIYRLSDQPVLVSVQRRRAK YLLLELPE GWIIHILGMSGSLRILPEELPPEKHDHVDLVMMSGKVLRYTDPRRFGAW LWTKELEGHNVLTHLG PEPLSDDFNGEYLHQKCAKKKTAIKPWLMNDKNLVVGVGNI YASESLFAAGIHPDRLASSLSLAEC ELLARVIKAVLLRSIEQGGTTLKDFLQSDGKPG YFAQELQVYGRKGPCRVCGTPIVATKHAQRA TFYCRQCQKLEHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

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