

32-7123: Recombinant E. coli Formamidopyrimidine-DNA Glycosylase/Fpg (C-6His)(Discontinued)

Gene : mutM

Uniprot ID : A7ZTI6

Description

Source: E.coli.

MW :31.4kD.

Recombinant E.coli Fpg is produced by our E.coli expression system and the target gene encoding Met1-Lys269 is expressed with a 6His tag at the C-terminus. Fpg is a 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.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM EDTA, 1mM DTT, 50% Glycerol, pH 7.8.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MP₁ELPEVETSRRGIEPHLVGATILHAVVRNGRLRWPVSEEIYRLSDQPVL₁SVQRRAKYLLLELPEGWIIIIHLGMSG
SLRILPEELPPEKHDHVDLVMSNGKVLRYTDP₁RRFGAWLWTKELEGHNVLTHLGPEPLSDDFN₁GEYLHQKCAK
KKTAIKPWLMDNKL₁VGVGNIYASESLFAAGIHPDRLASSLSLAEC₁ELLARVIKAVLLRSIEQGGTTLKDFLQSDG
KPGYFAQELQVYGRKG₁GPCRVCGTPIVATKHAQRATFYCRQCQKLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.