

mug cDNA

Catalog Number: ATGD0438

PRODUCT INFORMATION

Catalog number

ATGD0438

Product type

cDNA

Species

E.coli

NCBI Accession No.

NP_417540.1

Alternative Names

dug, ECK3058, JW3040, ygjF

mRNA Refseq

NC_000913.2

OMIM**Chromosome location**

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

507bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

G/u mismatch-specific DNA glycosylase, xanthine DNA glycosylase, also known as mug, belongs to the TDG/mug DNA glycosylase family. It has been proposed that the Mug protein excises 3, N4-ethenocytosine and removes the uracil base from mismatches in the order of u:G>u:A, although the biological role remains unclear.

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DATA

Sequence nucleotides

ATGGTTGAGGATATTTTGGCTCCAGGGTTACGGGTCGTGTTTTGCGGTATCAACCCTGGGCTTTCATCCGCCGGGACTGGTT
TTCCCTTTGCTCATCCGGCAAATCGCTTCTGGAAGGTGATATATCAGGCCGGGTTTACCGACCGTCAGTTGAAGCCGCAGG
AGGCACAGCATCTGCTGGATTATCGTTGTGGCGTCACCAAATGTTAGACCGTCCAACGGTGCAAGCCAATGAAGTTTCAA
AGCAGGAGCTACACGCAGGCGGGCGTAAGCTGATTGAAAAAATTGAAGATTATCAGCCGCAGGCGTTGGCGATTCTGGGC
AAACAAGCATATGAACAGGGATTGAGCCAGCGCGGTGCACAGTGGGGGAAACAAACGCTCACCATTGGTTCGACGCAGATT
TGGGTGCTGCCAAATCCCAGCGGTTTAAGTCGCGTTTCACTGGAGAACTGGTTGAAGCGTATCGCGAGCTGGACCAGGCG
CTGGTAGTGCGTGGGCGATAA

Transaction Sequence

MVEDILAPGL RVVFCGINPG LSSAGTGFPF AHPANRFWKV IYQAGFTDRQ LKPQEAQHLL DYRCGVTKLV DRPTVQANEV
SKQELHAGGR KLIKIEDYQ PQALAILGKQ AYEQGFSSRG AQWGKQTLTI GSTQIWVLPN PSGLSRVSLE KLVEAYRELD
QALVVRGR