

Product datasheet for **RN207261**

Mgmt (NM_012861) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mgmt (NM_012861) Rat Untagged Clone
Tag: Tag Free
Symbol: Mgmt
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207261 representing NM_012861
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGATCTGCAAATGAAATACACGGTGTGGACAGCCCTTTGGGAAGATAGAGCTGTCCGGCT
GTGAGCGAGGCCCTGCATGGGATACGATTCTCAGTGGGAAGACCCCAAACACTGACCCACAGAGGCTCC
AGCCTGTCCTGAGGTGCTCGGTGGGCCAGAGGGAGTGCCAGAGCCCTGGTGCAGTGCACAGCCTGGCTG
GAAGCCTATTTCCACGAACCTGCAGCCACAGAGGGGCTCCCTTGCTGCTCTCCATCACCTGTGTTCC
AGCAAGATTCATTCACCAGACAGGTGTTATGGAAGCTGCTGAAGTTGTGAAATTCGGAGAAATGGTTTC
TTACCAGCAATTAGCAGCCCTGGCAGGCAACCCCAAAGCGGCTCGTGCAGTAGGAGGAGCGATGAGGAGC
AATCCAGTCCCCATCCTCATCCCCTGCCACAGGGTGATTGCGAGTGACGGTGCCATTGGCAATTAATCTG
GAGGAGGACAGACTGTGAAAGAGTGCTTCTGGCCATGAGGGCATCCCAACTGGACAGCCGGCCTCCAA
AGGCTTGGGTCTGATTGGGAGCTGGCTCAAGCCATCCTTCGAGTCTTCCAGCCCAAAGCCGTCTGGCTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012861
Insert Size: 630 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012861.1](#), [NP_036993.1](#)

RefSeq Size: 812 bp

RefSeq ORF: 630 bp

Locus ID: 25332

UniProt ID: [P24528](#)

Cytogenetics: 1q41

Gene Summary: enzyme involved in DNA repair of O(6)-alkylguanine which is the major mutagenic and carcinogenic lesion in DNA [RGD, Feb 2006]