

## Product datasheet for **SC207013**

### MGMT (NM\_002412) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MGMT (NM\_002412) Human 3' UTR Clone  
**Symbol:** MGMT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_002412  
**Insert Size:** 2000 bp  
**Insert Sequence:** >SC207013 3'UTR clone of NM\_002412  
The sequence shown below is from the reference sequence of NM\_002412. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCGGGAGCTACCTCGGGCTCCCCGCTGCTGGCCGAACTGAGTATGTGCAGTAGGATGGATGTTTGA
GCGACACACACGTGTAACACTGCATCGGATGCGGGCGTGGAGGCACCGCTGTATTAAGGAAGTGGCA
GTGTCTGGGAACAAGCGTGTCTGCCCTTCTGTTTCCATATTTTACAGCAGGATGAGTTCAGACGCC
GCGGTCTGCACACATTTGTTTCTTCTAAGCTGCCCTTGCTCTATTTTTCATGTCATTAATAAACA
GGCCAAGTGAGTGTGGAAGGCCTGGCTCATGTTGGGCCACAGCCAGGATGGGGCAGTCTGGCACCCCTC
AGGCCACAGACGCTGCCATAGCCGCTGTCCAGGGCCAGCTAAGGCCATCCCAGGCCGTCCACACTAG
AAAGCTGGCCCTGCCCCATCCCCACCATGCCTCCCTTCTGGCTGTGTCCATGGCTGTGATGGCATTCT
CCTACTCAGCAGTTCCTAGCATCCCACACCCAGGTCTCACTGAAAGAAAGGGGAACAGGCCATGGCAGTC
AGTGCTTACAGAG
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



[View online »](#)

<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_002412.5</a>
<b>Summary:</b>	Alkylating agents are potent carcinogens that can result in cell death, mutation and cancer. The protein encoded by this gene is a DNA repair protein that is involved in cellular defense against mutagenesis and toxicity from alkylating agents. The protein catalyzes transfer of methyl groups from O(6)-alkylguanine and other methylated moieties of the DNA to its own molecule, which repairs the toxic lesions. Methylation of the genes promoter has been associated with several cancer types, including colorectal cancer, lung cancer, lymphoma and glioblastoma. [provided by RefSeq, Sep 2015]
<b>Locus ID:</b>	4255
<b>MW:</b>	20