

Product datasheet for **SC207237**

OGG1 (NM_016821) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: OGG1 (NM_016821) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: OGG1
Synonyms: HMMH; HOGG1; MUTM; OGH1
ACCN: NM_016821
Insert Size: 545 bp
Insert Sequence: >SC207237 3'UTR clone of NM_016821
The sequence shown below is from the reference sequence of NM_016821. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGATGCAAGCCAGCTTACTAGCACTTTGAGAATGAGTCTCTCTGTTGAGCTGGTAGGATGTAAGCCTGG
AGCTAATGGCGATCATCTTTGCCACCACCTGGGGAGAGCCTGCTTGGGAATGAAATTAACACAAAGGAA
GTCCAACCTGAGAAATGGCCAAATATATTTCTGATAACATTATGTGGCCCTCTGGATCCAGCCATGCC
TGAGGTCTACCCCTGGGCTTTTGGATTATGTGTACAGTTGGTTCATCCCTTTTTCTGCTAATTTCGAGTC
ATGGCTAATTTAACACCCTTTAGAACCTTAAAGAACCATCAGCATCACCCGGAACCTTTTTAGAAATG
CAAAATCTCTACTGCTTTGGATCCTGGGTCAAAAAAAAAAGAAAAAAAAAGAAATGCAAACTTTAGGCC
CTGCCCCAGATTTACTAAATCAATCTGCAGTTTAAACAAATCCTCAGGTGATTTGTATGCTCATTGAAC
TTAAGAAGCAGTGTTTAGAACAGTTCTTAAAAAGGAACAAATAAACTCATTTAACTAAA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

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).

Components: 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.

RefSeq: [NM_016821.3](#)



[View online >](#)

Summary:

This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region of this gene classifies splice variants into two major groups, type 1 and type 2, depending on the last exon of the sequence. Type 1 alternative splice variants end with exon 7 and type 2 end with exon 8. All variants share the N-terminal region in common, which contains a mitochondrial targeting signal that is essential for mitochondrial localization. Many alternative splice variants for this gene have been described, but the full-length nature for every variant has not been determined. [provided by RefSeq, Aug 2008]

Locus ID:

4968

MW:

20.7