

## Product datasheet for **SC210953**

### OGG1 (NM\_016829) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** OGG1 (NM\_016829) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** OGG1  
**Synonyms:** HMMH; HOGG1; MUTM; OGH1  
**ACCN:** NM\_016829  
**Insert Size:** 904 bp  
**Insert Sequence:** >SC210953 3'UTR clone of NM\_016829  
The sequence shown below is from the reference sequence of NM\_016829. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCCAAGCGGCTGGATCAGATGCCTCTTGAAGAATTACAGACTTCTTCTCTAGACTTGGAGGGCCTCC
TTGGCAATGCATTTGATGGCCACCAGCTTCTGCGTCTTATCTTCTGCCAGGATCACCTCCGAGAAG
GCCCCCTATCGGGAGAGGGGATTACACAAGGTGAAGAAGTGAACCCAGCTTCCCTCCAGCCTCTCCT
CCATTCCCTATGGGTTCTGTGACCACTGTGGACCAAGGACGTGGATGACCCCTCCCTAGTCACTCATC
CATCCCCTGGCTCCAGAGATGGTCACATGACCCAGGCCTGGCCAGTCAAAGTAGTCTCTCCCCTGGCCA
CAGTAATTGGTCAATGTGATGCAAGCCAGCTTACTAGCACTTTGAGAATGAGTCTCCTGTTGAGCTGGTA
GGATGTAAGCCTGGAGCTAATGGCGATCATCTTTGCCACCACCTGGGAGAGCCTGCTTGGGAATGAAA
TTAACACAAAGGAAGTCCAACCTGAGAAATGGCCAAATATATTTCTGATAACATTATGTGGCCCTCTG
GATCCAGCCATGCCTGAGGTCTACCCCTGGGCTTTTGGATTATGTGTACAGTTGGTTCATCCCTTTTC
TGCTAATTCGAGTCATGGCTAATTTAACACCCTTTAGAACCTTAAAGAACCATCAGCATCACCCGGGAA
CTTTTTAGAAAATGCAAAATCTCTACTGCTTTGGATCCTGGGTCAAAAAAAGAAAAAAGAAATG
CAAACTTTAGGCCCTGCCAGATTTACTAAATCAATCTGCAGTTTAAACAAATCCTCAGGTGATTTG
TATGCTCATTGAACTTTAAGAAGCAGTGTTTAGAACAGGTTCTTAAAAAGGAACAAATAAACTCATT
AACTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



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<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_016829.3</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	4968
<b>MW:</b>	33.5