

Product datasheet for **MC209072**

Ogg1 (NM_010957) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ogg1 (NM_010957) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ogg1
Synonyms: Mmh
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209072 representing NM_010957
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTATTCGGTTCCTGGCTGCCTAGCAGCATGAGACATCGCACCTAAGCTCCAGCCCGGCCCTCTGGG
CCTCTATCCCGTGTCCACGCTCTGAGCTGCGTCTGGACTTGGTTTTAGCTTCTGGACAGTCTTCCGGT
GAAGGAGCAGAGCCCTGCTCACTGGAGTGGCGTCTGGCAGATCAAGTATGGACACTGACTCAGACGGAG
GACCAGCTCTATTGCACTGTGTACCGAGGAGACGACAGCCAGGTCAAGCAGGCCACCTAGAGGAGCTGG
AAACCCTACACAAGTACTTTAGCTAGATGTCAGCCTGGCACAGCTGTATAGCCACTGGGCTTCTGTAGA
CTCCCACTTCAAAGAGTGGCCAGAAATTCGAAGGTGTGAGACTGCTGAGACAAGACCCCACTGAGTGC
CTTTTCTCTTTCATCTGTTCCTCCAACAACAACATTGCTCGCATTACTGGCATGGTGAACGGCTCTGCC
AGGCTTTGGACCTCGACTCATTAGCTTGATGATGCACTTATCATGGCTTCCCAACCTCCATGCCCT
GGCTGGTCCAGAAGCAGAGACTCACCTGAGGAAGTTGGCCCTGGGGTACCGTGGCCGCTATGTACGTGCC
AGTGCCAAAGCCATCCTCGAAGAGCAAGTTGGCCAGCTTGGCTGCAGCAGCTTCGAGTGGCCCTTATG
AAGAGGCCCAACAAGCCCTCTGCACCTGCCCGGGTGGCGCCAAGGTGGCTGACTGCATCTGCTTAAT
GGCCCTTGACAAACCCAGGCTGTGCCGTGGATGCCATGTATGGCAGATTGCCATCGTGACTACGGC
TGGCATCCTAAGACATCCAGGCTAAGGGCCAGCCCTTTGGCCAACAAGAAGTGGGAACTTTTTCC
GGAATCTGTGGGACCTTATGCTGGCTGGGCCAAGCAGTGTGTTAGTGTGACCTTCGCCAACCAAG
CCTGTCTCGGGAGCCACCAGCAAAGCGCAAAAAGGGATCTAAGAGGCCAGAGGGC**TAG**

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010957



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Insert Size:	1038 bp
OTI Disclaimer:	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:	<ol style="list-style-type: none">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:	<u>NM_010957.4</u> , <u>NP_035087.3</u>
RefSeq Size:	1556 bp
RefSeq ORF:	1038 bp
Locus ID:	18294
UniProt ID:	<u>O08760</u>
Cytogenetics:	6 52.75 cM
Gene Summary:	DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.[UniProtKB/Swiss-Prot Function]