

Product datasheet for **RR208594**

Ogg1 (NM_030870) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ogg1 (NM_030870) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ogg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208594 representing NM_030870
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTATTCAGTTCAGCCTGTCTAGCAGCATGAGACATCGCACCCCTAACCTCCAGCCCGGCCCTCTGGG
CCTCTATTCGGTGTCCACGCTCTGAGCTGCGTCTGGACCTGGTTTTAGCTTCTGGACAGTCTTCCGGTG
GAGGGAGCAAAGCCCTGCTCACTGGAGTGGAGTGTGGCAGATCAAGTGTGGACTGACTCAGACCGGAG
GATCAGCTCTATTGCACTGTGTACCGAGGAGACAAGGGCCAGGTCGGCAGGCCTACCCTAGAGGAGCTGG
AAACCTTACACAAGTACTTTTCAGCTAGATGTGACGCTGACTCAGCTCTATAGCCACTGGGCTTCGGTGGA
CTCTCACTTCCAAAGTGTGGCTCAGAAATTCAGGCTGTGAGGCTGCTGAGACAAGACCCCACTGAATGC
CTTTTCTCTTTCATCTGTTCTTCCAACAACAACATTGCTCGCATCACTGGCATGGTGAACGGCTGTGCC
AGGCCTTTGGACCTCGACTCGTTCAGCTTGATGATGTCACCTTATCATGGCTTCCAAACCTTCATGCCCT
GGCTGGTCCAGAAGTAGAGACCCACCTCAGGAAGTTGGCCCTGGGGTACCGTGCCCGCTATGTATGTGCC
AGTGCTAAAGCCATCCTAGAAGAGCAAGGTGGCCGGCTTGGCTGCAGCAGCTTCGAGTGGCCTCTTATG
AAGAGGCCCAAGGCCCTCTGCACCCTGCCTGGAGTGGGCACCAAGGTGGCTGACTGCATCTGCTTAAT
GGCCCTGGACAAACCCAGGCTGTGCCTGTGGACATCCATGTGTGGCAGATTGCCCATCGTGACTACGGC
TGGCAGCCTAAGACATCGCAGACTAAGGGCCCGAGCCCTCTGGCCAACAAGAAGTGGGAACTTTTTCC
GGAATCTGTGGGGACCTTATGCTGGCTGGGCCAAGCAGTGTGTTTCACTGCTGACCTTCGTCACAAAA
CCTGTCTCGGGAGCCACCAGCAAAGCGCAAAAAGGGATCTAAGAAGACAGAAGGC

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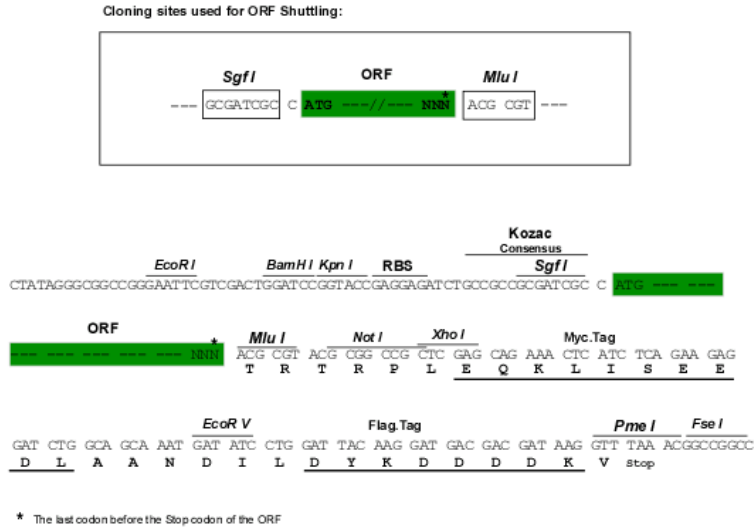
Protein Sequence: >RR208594 representing NM_030870
 Red=Cloning site Green=Tags(s)

MLFSSSLSSSMRHRTLSTSPALWASIPCRSELRLDLVLAGQSFRWREQSPAHWSGVLADQVWTLTQTE
 DQLYCTVYRGDKGVGRPTLEELTLHKYFQLDVSLTQLYSHWASVDSHFQSVAQKFQGVRLLRQDPTEC
 LFSFICSSNNNIARITGMVERLCQAFGPRLVQLDDVTYHGFPNLHALAGPEVETHLRKLGLYRARYVCA
 SAKAILEEQGGPAWLQQLRVASYEEAHKALCTLPVGTGVADCICLMALDKPQAVPVDIHWQIAHRDYG
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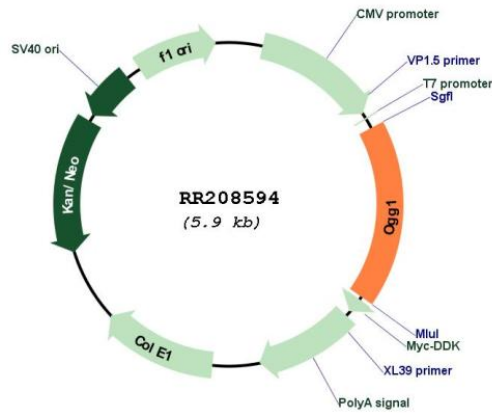
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030870

ORF Size:	1035 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_030870.1 , NP_110497.1
RefSeq Size:	1251 bp
RefSeq ORF:	1038 bp
Locus ID:	81528
UniProt ID:	O70249
Cytogenetics:	4q42
MW:	38.7 kDa
Gene Summary:	DNA repair enzyme that cleaves out mutagenic 7,8-dihydro-8-oxoguanine (8-oxoG) [RGD, Feb 2006]