

Rat pCMV-oprml-IRES-eGFP Vector map

LOCUS pCMV-Rat oprml-IRES-eGFP 6498 bp ds-DNA circular

ORGANISM Rat (*Rattus norvegicus*)

FEATURES Location/Qualifiers

CMV-Promotor	10..589
Rat <i>oprml</i>	622..1818
<i>IRES</i>	1856..2440
<i>eGFP</i>	2444..3163
SV40_promoter	4175..4354
Kan/neoR	4394..5188

ORIGIN

1	TAGTTATTAA	TAGTAATCAA	TTACGGGGTC	ATTAGTTCAT	AGCCCATATA	TGGAGTTCGG
61	CGTTACATAA	CTTACGGTAA	ATGGCCCCGC	TGGCTGACCG	CCCAACGACC	CCCGCCATT
121	GACGTCAATA	ATGACGTATG	TTCCCATAGT	AACGCCAATA	GGGACTTTCC	ATTGACGTCA
181	ATGGGTGGAG	TATTTACGGT	AAACTGCCCA	CTTGGCAGTA	CATCAAGTGT	ATCATATGCC
241	AAGTACGCCC	CCTATTGACG	TCAATGACGG	TAAATGGCCC	CTTGGCATT	ATGCCAGTA
301	CATGACCTTA	TGGGACTTTC	CTACTTGGCA	GTACATCTAC	GTATTAGTCA	TCGCTATTAC
361	CATGGTGATG	CGGTTTTGGC	AGTACATCAA	TGGGCGTGGA	TAGCGGTTTG	ACTCACGGGG
421	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA	TGGGAGTTTG	TTTTGGCACC	AAAATCAACG
481	GGACTTTCCA	AAATGTCGTA	ACAACCTCCG	CCCATTGACG	CAAATGGGCG	GTAGGCGTGT
541	ACGGTGGGAG	GTCTATATAA	GCAGAGCTGG	TTTAGTGAAC	CGTCAGATCC	GCTAGCGCTA
601	CCGGACTCAG	ATCTCGAGCT	CATG GACAGC	AGCACCGGCC	CAGGGAACAC	CAGCGACTGC
661	TCAGACCCCT	TAGCTCAGGC	AAGTTGCTCC	CCAGCACCTG	GCTCCTGGCT	CAACTTGTCC
721	CACGTTGATG	GCAACCAGTC	CGATCCATGC	GGTCTGAACC	GCACCGGGCT	TGGCGGGAAC
781	GACAGCCTGT	GCCCTCAGAC	CGGCAGCCCT	TCCATGGTCA	CAGCCATTAC	CATCATGGCC
841	CTCTACTCTA	TCGTGTGTGT	AGTGGGCCTC	TTCGGAAACT	TCCTGGTCAT	GTATGTGATT
901	GTAAGATACA	CCAAAATGAA	GACTGCCACC	AACATCTACA	TTTTCAACCT	TGCTCTGGCA
961	GACGCCTTAG	CGACCAGTAC	ACTGCCCTTT	CAGAGTGTCA	ACTACCTGAT	GGGAACATGG
1021	CCCTTCGGAA	CCATCCTCTG	CAAGATCGTG	ATCTCAATAG	ATTACTACAA	CATGTTTACC
1081	AGCATATTCA	CCCTCTGCAC	CATGAGCGTG	GACCGCTACA	TTGCTGTCTG	CCACCCAGTC
1141	AAAGCCCTGG	ATTTCCGTAC	CCCCGAAAT	GCCAAAATCG	TCAACGTCTG	CAACTGGATC
1201	CTCTATTCTG	CCATCGTCT	GCCTGTAATG	TTTATGGCAA	CCACAAAATA	CAGCAGGGG
1261	TCCATAGATT	GCACCCTCAC	GTTCTCCAC	CCAACCTGGT	ACTGGGAGAA	CCTGCTCAAA
1321	ATCTGTGTCT	TTATCTTCGC	TTTCATCATG	CCGGTCCTCA	TCATCACTGT	GTGTTACGGC
1381	CTGATGATCT	TACGACTCAA	GAGCGTTTCG	ATGCTATCGG	GCTCCAAAGA	AAAGGACAGG
1441	AATCTGCGCA	GGATCACCCG	GATGGTGCTG	GTGGTCGTGG	CTGTATTTAT	CGTCTGCTGG
1501	ACCCCATCC	ACATCTACGT	CATCATCAAA	GCGCTGATCA	CGATTCCAGA	AACCACATTT
1561	CAGACCGTTT	CCTGGCACTT	CTGCATTGCT	TTGGGTTACA	CGAACAGCTG	CCTGAATCCA
1621	GTTCTTTACG	CCTTCCTGGA	TGAAAACCTC	AAGCGATGCT	TCAGAGAGTT	CTGCATCCCA
1681	ACCTCGTCCA	CGATCGAACA	GCAAAACTCC	ACTCGAGTCC	GTCAGAACAC	TAGGGAACAT
1741	CCCTCCACGG	CTAATACAGT	GGATCGAACT	AACCACCAGC	TAGAAAATCT	GGAGGCAGAA
1801	ACTGCTCCAT	TGCCCT TA AGA	ATTCTGCAGT	CGACGGTACC	GCGGGCCCCG	GATCCGCCCC
1861	<i>TCTCCCTCCC</i>	<i>CCCCCCTAA</i>	<i>CGTTACTGGC</i>	<i>CGAAGCCGCT</i>	<i>TGGAATAAGG</i>	<i>CCGGTGTGCG</i>
1921	<i>TTTGTCTATA</i>	<i>TGTTATTTTC</i>	<i>CACCATATTG</i>	<i>CCGTCTTTTG</i>	<i>GCAATGTGAG</i>	<i>GGCCCGGAAA</i>
1981	<i>CCTGGCCCTG</i>	<i>TCTTCTTGAC</i>	<i>GAGCATTCTT</i>	<i>AGGGGTCTTT</i>	<i>CCCCTCTCGC</i>	<i>CAAAGGAATG</i>
2041	<i>CAAGGTCTGT</i>	<i>TGAATGTCGT</i>	<i>GAAGGAAGCA</i>	<i>GTTCCTCTGG</i>	<i>AAGCTTCTTG</i>	<i>AAGACAAACA</i>
2101	<i>ACGTCTGTAG</i>	<i>CGACCCTTTG</i>	<i>CAGGCAGCGG</i>	<i>AACCCCCAC</i>	<i>CTGGCGACAG</i>	<i>GTGCTCTGCG</i>
2161	<i>GGCCAAAAGC</i>	<i>CACGTGTATA</i>	<i>AGATACACCT</i>	<i>GCAAAGGCGG</i>	<i>CACAACCCCA</i>	<i>GTGCCACGTT</i>
2221	<i>GTGAGTTGGA</i>	<i>TAGTTGTGGA</i>	<i>AAGAGTCAA</i>	<i>TGGCTCTCCT</i>	<i>CAAGCGTATT</i>	<i>CAACAAGGGG</i>
2281	<i>CTGAAGGATG</i>	<i>CCCAGAAGGT</i>	<i>ACCCATTGT</i>	<i>ATGGGATCTG</i>	<i>ATCTGGGGCC</i>	<i>TCGGTGCACA</i>
2341	<i>TGCTTTACAT</i>	<i>GTGTTTAGTC</i>	<i>GAGGTTAAAA</i>	<i>AAACGTCTAG</i>	<i>GCCCCCGAA</i>	<i>CCACGGGGAC</i>
2401	<i>GTGGTTTTCC</i>	<i>TTTGAAAAAC</i>	<i>ACGATGATAA</i>	<i>TATGGCCACA</i>	<i>ACCATGGTGA</i>	<i>GCAAGGGCGA</i>
2461	<i>GGAGCTGTTC</i>	<i>ACCGGGGTGG</i>	<i>TGCCCATCCT</i>	<i>GGTCGAGCTG</i>	<i>GACGGCGACG</i>	<i>TAAACGGCCA</i>
2521	<i>CAAGTTCAGC</i>	<i>GTGTCCGGCG</i>	<i>AGGGCGAGGG</i>	<i>CGATGCCACC</i>	<i>TACGGCAAGC</i>	<i>TGACCCTGAA</i>
2581	<i>GTTTATCTGC</i>	<i>ACCACCGGCA</i>	<i>AGCTGCCCGT</i>	<i>GCCCTGGCCC</i>	<i>ACCCTCGTGA</i>	<i>CCACCCTGAC</i>
2641	<i>CTACGGCGTG</i>	<i>CAGTGCTTCA</i>	<i>GCCGCTACCC</i>	<i>CGACCACATG</i>	<i>AAGCAGCACG</i>	<i>ACTTCTTCAA</i>
2701	<i>GTCCGCCATG</i>	<i>CCCGAAGGCT</i>	<i>ACGTCCAGGA</i>	<i>GCGCACCATC</i>	<i>TTCTTCAAGG</i>	<i>ACGACGGCAA</i>
2761	<i>CTACAAGACC</i>	<i>CGCGCCGAGG</i>	<i>TGAAGTTCGA</i>	<i>GGGCGACACC</i>	<i>CTGGTGAACC</i>	<i>GCATCGAGCT</i>
2821	<i>GAAGGGCATC</i>	<i>GACTTCAAGG</i>	<i>AGGACGGCAA</i>	<i>CATCCTGGGG</i>	<i>CACAAGCTGG</i>	<i>AGTACAACATA</i>
2881	<i>CAACAGCCAC</i>	<i>AACGTCTATA</i>	<i>TCATGGCCGA</i>	<i>CAAGCAGAAG</i>	<i>AACGGCATCA</i>	<i>AGGTGAACTT</i>
2941	<i>CAAGATCCGC</i>	<i>CACAACATCG</i>	<i>AGGACGGCAG</i>	<i>CGTGCAGCTC</i>	<i>GCCGACCACT</i>	<i>ACCAGCAGAA</i>
3001	<i>CACCCCATC</i>	<i>GGCGACGGCC</i>	<i>CCGTGCTGCT</i>	<i>GCCCGACAAC</i>	<i>CACTACCTGA</i>	<i>GCACCCAGTC</i>
3061	<i>CGCCCTGAGC</i>	<i>AAAGACCCCA</i>	<i>ACGAGAAGCG</i>	<i>CGATCACATG</i>	<i>GTCTGCTGG</i>	<i>AGTTCGTGAC</i>
3121	<i>CGCCGCCGGG</i>	<i>ATCACTCTCG</i>	<i>GCATGGACGA</i>	<i>GCTGTACAAG</i>	TAA AGCGGCC	<i>GCGACTCTAG</i>

3181 ATCATAATCA GCCATACCAC ATTTGTAGAG GTTTTACTTG CTTTAAAAAA CCTCCACAC
3241 CTCCCCCTGA ACCTGAAACA TAAAATGAAT GCAATTGTTG TTGTAACTT GTTTATTGCA
3301 GCTTATAATG GTTACAAATA AAGCAATAGC ATCACAAATT TCACAAATA AGCATTTTTT
3361 TCACTGCATT CTAGTTGTGG TTTGTCCAAA CTCATCAATG TATCTTAAGG CGTAAATTGT
3421 AAGCGTTAAT ATTTTGTAA AATTCGCGTT AAATTTTTGT TAAATCAGCT CATTTTTTAA
3481 CCAATAGGCC GAAATCGGCA AAATCCCTTA TAAATCAAAA GAATAGACCG AGATAGGGTT
3541 GAGTGTGTGTT CCAGTTTGGG ACAAGAGTCC ACTATTAAAG AACGTGGACT CCAACGTCAA
3601 AGGGCGAAAA ACCGTCTATC AGGGCGATGG CCCACTACGT GAACCATCAC CCTAATCAAG
3661 TTTTTTGGGG TCGAGGTGCC GTAAAGCACT AAATCGGAAC CCTAAAGGGA GCCCCGATT
3721 TAGAGCTTGA CGGGGAAAGC CGGCGAACGT GGCGAGAAAG GAAGGGAAGA AAGCGAAAGG
3781 AGCGGGCGCT AGGGCGCTGG CAAGTGTAGC GGTCACGCTG CGCGTAAACA CCACACCCGC
3841 CGCGCTTAAT GCGCCGCTAC AGGGCGCGTC AGGTGGCACT TTTGGGGAA ATGTGCGCGG
3901 AACCCCTATT TGTTTATTTT TCTAAATACA TTCAAATATG TATCCGCTCA TGAGACAATA
3961 ACCCTGATAA ATGCTTCAAT AATATTGAAA AAGGAAGAGT CCTGAGGCGG AAAGAACCAG
4021 CTGTGGAATT TGTGTCAATT AGGGTGTGGA AAGTCCCCAG GCTCCCCAG AGGCAGAAGT
4081 ATGCAAAGCA TGCATCTCAA TTAGTCAGCA ACCAGGTGTG GAAAGTCCCC AGGCTCCCCA
4141 GCAGGCAGAA GTATGCAAAG CATGCATCTC AATTAGTCAG CAACCATAGT CCCGCCCTA
4201 ACTCCGCCCA TCCCGCCCT AACTCCGCC AGTTCCGCC ATTCTCCGCC CCATGGCTGA
4261 CTAATTTTTT TTATTTATGC AGAGGCCGAG GCCGCCTCGG CCTCTGAGCT ATTCCAGAAG
4321 TAGTGAGGAG GCTTTTTTGG AGGCCTAGGC TTTTGCAAAG ATCGATCAAG AGACAGGATG
4381 AGGATCGTTT CGCATGATTG AACAAAGATGG ATTGACGCA GGTTCCTCCG CCGCTTGGGT
4441 GGAGAGGCTA TTCGGCTATG ACTGGGCACA ACAGACAATC GGCTGCTCTG ATGCCGCCGT
4501 GTTCCGGCTG TCAGCGCAGG GCGCCCCGGT TCTTTTTGTC AAGACCGACC TGTCCGGTGC
4561 CCTGAATGAA CTGCAAGACG AGGCAGCGCG GCTATCGTGG CTGGCCACGA CGGGCGTTCC
4621 TTGCGCAGCT GTGCTCGACG TTGTCACTGA AGCGGGAAGG GACTGGCTGC TATTGGGCGA
4681 AGTGCCGGGG CAGGATCTCC TGTCACTCA CTTTGCTCCT GCCGAGAAAG TATCCATCAT
4741 GGCTGATGCA ATGCGGCGGC TGCATACGCT TGATCCGGCT ACCTGCCCAT TCGACCACCA
4801 AGCGAAACAT CGCATCGAGC GAGCACGTAC TCGGATGGAA GCCGGTCTTG TCGATCAGGA
4861 TGATCTGGAC GAAGAGCATC AGGGGCTCGC GCCAGCCGAA CTGTTCCGA GGCTCAAGGC
4921 GAGCATGCCC GACGGCGAGG ATCTCGTCGT GACCCATGGC GATGCCTGCT TGCCGAATAT
4981 CATGGTGGAA AATGGCCGCT TTTCTGGATT CATCGACTGT GGCCGGCTGG GTGTGGCGGA
5041 CCGTATCAG GACATAGCGT TGGTACCCG TGATATTGCT GAAGACTTGG CGGCAGATG
5101 GGCTGACCGC TTCCTCGTGC TTTACGGTAT CGCCGCTCCC GATTCCGAGC GCATCGCCTT
5161 CTATCGCCTT CTTGACGAGT TCTTCTGAGC GGGACTCTGG GGTTCGAAAT GACCGACCAA
5221 GCGACGCCCA ACCTGCCATC ACGAGATTTT GATTCCACCG CCGCCTTCTA TGAAAGGTTG
5281 GGCTTCGGAA TCGTTTTCCG GGACGCCGGC TGGATGATCC TCCAGCGCGG GGATCTCATG
5341 CTGGAGTTCT TCGCCACCC TAGGGGGAGG CTAAGTAAA CACGGAAGGA GACAATACCG
5401 GAAGGAACCC GCGCTATGAC GGCAATAAAA AGACAGAATA AAACGCACGG TGTTGGGTGCG
5461 TTTGTTTATA AACGCGGGGT TCGGTCCCAG GGCTGGCACT CTGTGATAC CCCACCGAGA
5521 CCCATTGGG GCCAATACGC CCGCGTTTCT TCCTTTTCCC CACCCACCC CCCAAGTTCG
5581 GGTGAAGGCC CAGGGCTCGC AGCCAACGTC GGGGCGGCAG GCCCTGCCAT AGCCTCAGGT
5641 TACTCATATA TACTTTAGAT TGATTTAAAA CTTCATTTTT AATTTAAAAG GATCTAGGTG
5701 AAGATCCTTT TTGATAATCT CATGACCAA ATCCCTAAC GTGAGTTTTT GTTCCACTGA
5761 GCGTCAGACC CCGTAGAAAA GATCAAAGGA TCTTCTTGAG ATCCTTTTTT TCTGCGCGTA
5821 ATCTGCTGCT TGCAAACAAA AAAACCACCG CTACCAGCGG TGGTTTGTTT GCCGGATCAA
5881 GAGTACCAA CTCTTTTTCC GAAGGTAACT GGCTTCAGCA GAGCGCAGAT ACCAAATACT
5941 GTCCTTCTAG TGTAGCCGTA GTTAGGCCAC CACTTCAAGA ACTCTGTAGC ACCGCCTACA
6001 TACCTCGCTC TGCTAATCCT GTTACCAGT GCTGCTGCCA GTGGCGATAA GTCGTGTCTT
6061 ACCGGTTGG ACTCAAGACG ATAGTTACCG GATAAGGCGC AGCGGTCCGG CTGAACGGGG
6121 GGTTCGTGCA CACAGCCCAG CTTGGAGCGA ACGACCTACA CCGAACTGAG ATACCTACAG
6181 CGTGAGCTAT GAGAAAGCGC CACGCTTCCC GAAGGGAGAA AGGCGGACAG GTATCCGGTA
6241 AGCGGCAGGG TCGGAACAGG AGAGCGCACG AGGGAGCTTC CAGGGGAAAA CGCCTGGTAT
6301 CTTTATAGTC CTGTGCGGTT TCGCCACCTC TGACTTGAGC GTCGATTTTT GTGATGCTCG
6361 TCAGGGGGGC GGAGCCTATG GAAAAACGCC AGCAACGCGG CCTTTTTACG GTTCTGGCC
6421 TTTTGCTGGC CTTTGTCTCA CATGTTCTTT CCTGCGTTAT CCCCTGATTC TGTGGATAAC
6481 CGTATTACCG CCATGCAT