

Product Information

pVQAd CMV K-NpA Shuttle Plasmid

Overview

This shuttle plasmid contains the strong Cytomegalovirus promoter. By far the most widely used promoter when high level expression is desired. The multiple cloning site contains 11 unique restriction sites for subcloning your gene of interest.

MCS

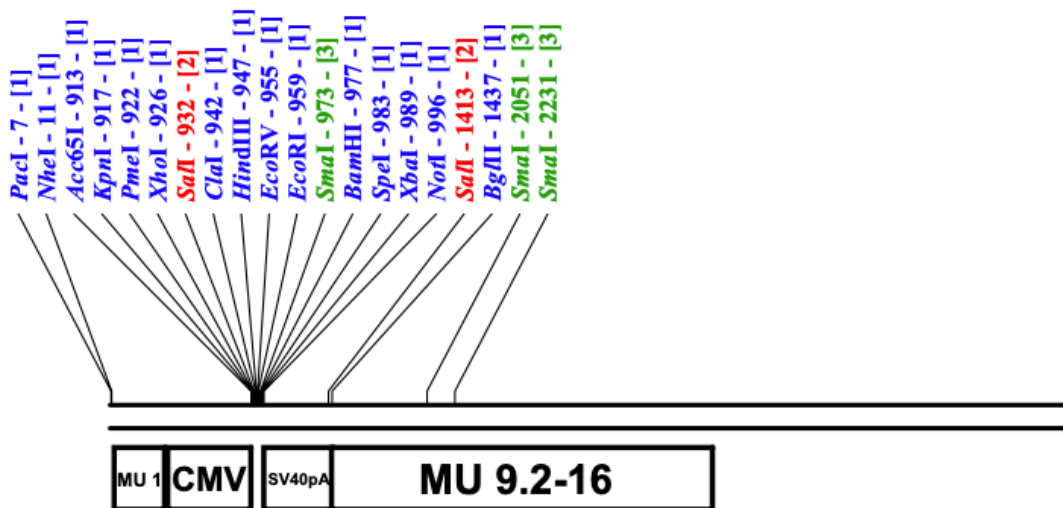
KpnI PmeI XhoI Sall* ClaI HindIII

CTCGTTTAGTGAACCGTCAGATGGTACCGTTTAAACTCGAGGTCGACGGTATCGATAAGCTT

EcoRV EcoRI PstI* SmaI* BamHI SpeI XbaI NotI SacI*

GATATCGAATTCCTGCAGCCCGGGGGATCCACTAGTTCTAGAGCGGCCCGCCACCGCGG

Map



pVQAd CMV K-NpA
6217 bp

Sequence

1 AATTAATTA GCTAGCATCA TCAATAATAT ACCTTATTTT GGATTGAAGC CAATATGATA
 61 ATGAGGGGGT GGAGTTTGTG ACGTGCGCG GGGCGTGGGA ACGGGGCGGG TGACGTAGTA

121 GTGTGGCGGA AGTGTGATGT TGCAAGTGTG GCGGAACACA TGTAAGCGAC GGATGTGGCA
181 AAAGTGACGT TTTTGGTGTG CGCCGGTGTG CACAGGAAGT GACAATTTTC GCGCGGTTTT
241 AGGCGGATGT TGTAAGTAAAT TTGGGCGTAA CCGAGTAAGA TTTGGCCATT TTCGCGGGAA
301 AACTGAATAA GAGGAAGTGA AATCTGAATA ATTTTGTGTT ACTCATAGCG CGTAATATTT
361 GTCTAGGGAG ATCAGCCTGC AGGTCGTTAC ATAACTTACG GTAAATGGCC CGCCTGGCTG
421 ACCGCCAAC GACCCCGCC CATTGACGTC AATAATGACG TATGTTCCA TAGTAACGCC
481 AATAGGGACT TTCCATTGAC GTCAATGGGT GGAGTATTTA CGGTAAACTG CCCACTTGGC
541 AGTACATCAA GTGTATCATA TGCCAAGTAC GCCCCCTATT GACGTCAATG ACGGTAAATG
601 GCCCGCTGG CATTATGCC AGTACATGAC CTTATGGGAC TTTCTACTT GGCAGTACAT
661 CTACGTATTA GTCATCGCTA TTACCATGGT GATGCGGTTT TGGCAGTACA TCAATGGGCG
721 TGGATAGCGG TTTGACTCAC GGGGATTTCC AAGTCTCCAC CCCATTGACG TCAATGGGAG
781 TTTGTTTTGG CACCAAAATC AACGGGACTT TCCAAAATGT CGTAACAACT CCGCCCCATT
841 GACGCAAATG GGCGGTAGGC GTGTACGGTG GGAGGTCTAT ATAAGCAGAG CTCGTTTAGT
901 GAACCGTCAG ATGGTACCGT TAAACTCGA GGTCGACGGT ATCGATAAGC TTGATATCGA
961 ATTCTGCAG CCCGGGGGAT CCACTAGTTC TAGAGCGGCC GCCACCGCGG GGAGATCCAG
1021 ACATGATAAG ATACATTGAT GAGTTTGGAC AAACCACAAC TAGAATGCAG TGAATAAAT
1081 GCTTTATTTG TGAATTTGT GATGCTATTG CTTTATTTGT AACCATTATA AGCTGCAATA
1141 AACAAGTTAA CAACAACAAT TGCATTCAAT TTATGTTTCA GTTTCAGGGG GAGGTGTGGG
1201 AGGTTTTTTA AAGCAAGTAA AACCTCTACA AATGTGGTAT GGCTGATTAT GATCCCGCT
1261 GCCTCGCGCG TTTGCGGTGAT GACGGTGAAG ACCTCTGAC ACATGCAGCT CCCGGAGACG
1321 GTCACAGCTT GTCTGTAAGC GGATGCCGGG AGCAGACAAG CCCGTCAGGG CGCGTCAGCG
1381 GGTGTTGGCG GGTGTCGGGG CGCAGCCATG AGGTCGACTC TAGTCCCCGC GGTGGCAGAT
1441 CTGGAAGGTG CTGAGGTACG ATGAGACCCG CACCAGGTGC AGACCCTGCG AGTGTGGCGG
1501 TAAACATATT AGGAACCAGC CTGTGATGCT GGATGTGACC GAGGAGCTGA GGCCCGATCA
1561 CTTGGTGCTG GCCTGCACCC GCGCTGAGTT TGGCTCTAGC GATGAAGATA CAGATTGAGG
1621 TACTGAAATG TGTGGGCGTG GCTTAAGGGT GGGAAAGAAT ATATAAGGTG GGGTCTTAT
1681 GTAGTTTTGT ATCTGTTTTG CAGCAGCCGC CGCCGCCATG AGCACCACT CGTTTGATGG
1741 AAGCATTGTG AGCTCATATT TGACAACGCG CATGCCCCA TGGGCCGGGG TCGTCAGAA
1801 TGTGATGGGC TCCAGCATTG ATGGTCGCCC CGTCTGCCC GCAAACCTA CTACCTTGAC
1861 CTACGAGACC GTGTCTGGAA CGCCGTTGGA GACTGCAGCC TCCGCCCGC CTTAGCCGC
1921 TGCAGCCACC GCCCGCGGGA TTGTGACTGA CTTTGCTTTC CTGAGCCCGC TTGCAAGCAG
1981 TGCAGCTTCC CGTTCATCCG CCCGCGATGA CAAGTTGACG GCTCTTTTGG CACAATTGGA
2041 TTCTTTGACC CGGGAACCTA ATGTCGTTTTC TCAGCAGCTG TTGGATCTGC GCCAGCAGGT
2101 TTCTGCCCTG AAGGCTTCTT CCCCTCCAA TGCGGTTTAA AACATAAATA AAAAACCAGA
2161 CTCTGTTTGG ATTTGGATCA AGCAAGTGTG TTGCTGTCTT TATTTAGGGG TTTTGCAGCG
2221 GCGGTAGGCC CGGGACCAGC GGTCTCGGTC GTTGAGGGTC CTGTGATTTT TTTCCAGGAC
2281 GTGGTAAAGG TGAATCTGGA TGTTTCAAGATA CATGGGCATA AGCCCGTCTC TGGGGTGGAG
2341 GTAGCACCAC TGCAGAGCTT CATGCTGCGG GGTGGTGTG TAGATGATCC AGTCGTAGCA
2401 GGAGCGCTGG GCGTGGTGCC TAAAAATGTC TTTCAGTAGC AAGCTGATTG CCAGGGGCG
2461 GCCCTGGTG TAAGTGTTTA CAAAGCGGTT AAGCTGGGAT GGGTGCATAC GTGGGGATAT
2521 GAGATGCATC TTGGACTGTA TTTTLAGGTT GGCTATGTTT CCAGCCATAT CCCTCCGGGG
2581 ATTCATGTTG TGCAGAACCA CCAGCACAGT GTATCCGGTG CACTTGGGAA ATTTGTCATG
2641 TAGCTTAGAA GAAATGCGT GGAAGAACTT GGAGACGCC TTGTGACCTC CAAGATTTTC
2701 CATGCATTCC TCCATAATGA TGGCAATGGG CCCACGGGCG GCGGCCTGGG CGAAGATATT
2761 TCTGGGATCA CTAACGTCAT AGTTGTGTTT CAGGATGAGA TCGTCATAGG CCATTTTAC
2821 AAAGCGCGGG CGGAGGGTGC CAGACTGCGG TATAATGGTT CCATCCGGCC CAGGGGCGTA
2881 GTTACCCTCA CAGATTTGCA TTTCCACGC TTTGAGTTCA GATGGGGGGA TCATGTCTAC
2941 CTGCGGGGCG ATGAAGAAAA CGGTTTCCGG GGTAGGGGAG ATCAGCTGGG AAGAAAGCAG
3001 GTTCTGAGC AGCTGCGACT TACCGCAGCC GGTGGGCCCC TAAATCACAC CTATTACCGG
3061 GTGCAACTGG TAGTTAAGAG AGCTGCAGCT GCCGTCATCC CTGAGCAGGG GGGCCACTTC
3121 GTTAAGCATG TCCCTGACTC GCATGTTTTT CCTGACCAA TCCGCCAGAA GCGCTCGCC
3181 GCCAGCGAT AGCAGTTCTT GCAAGGAAGC AAAGTTTTTC AACGGTTTGA GACCGTCCGC
3241 CGTAGGCATG CTTTTGAGCG TTTGACCAAG CAGTTCCAGG CGGTCCACA GCTCGGTCAC
3301 CTGCTCTACG GCATCTCGAT CCAGCATATC TCCTCGTTT GCGGGTTGGG GCGGCTTTCG
3361 CTGTACGGCA GTAGTCGGTG CTCGTCCAGA CGGGCCAGGG TCATGTCTTT CCACGGGCGC
3421 AGGGTCTCTG TCAGCGTAGT CTGGGTCACG GTGAAGGGGT GCGCTCCGGG CTGCGCGCTG
3481 GCCAGGGTGC GCTTGAGGCT GGTCTGCTG GTGCTGAAGC GCTGCCGGT TCCGCCCTGC
3541 GCGTCGGCCA GGTAGCATTG GACCATGGTG TCATAGTCCA GCCCTCCGC GCGTGGCCC

3601 TTGGCGCGCA GCTTGCCCTT GGAGGAGGCG CCGCACGAGG GGCAGTGCAG ACTTTTGAGG
3661 GCGTAGAGCT TGGGCGCGAG AAATACCGAT TCCGGGGAGT AGGCATCCGC GCCGCAGGCC
3721 CCGCAGACGG TCTCGATT CACGAGCCAG GTGAGCTCTG GCCGTTGCGG GTCAAAAACC
3781 AGGTTTCCCC CATGCTTTTT GATGCGTTT TACCTCTGG TTTCCATGAG CCGGTGTCCA
3841 CGCTCGGTGA CGAAAAGGCT GTCCGTGTCC CCGTATACAG ACTTGAGAGG CCTGTCTCG
3901 ACCGATGCC TTGAGAGCCT TCAACCCAGT CAGCTCCTC CGGTGGGCGC GGGGCATGAC
3961 TATCGTCGCC GCACTTATGA CTGTCTTCT TATCATGCAA CTCGTAGGAC AGGTGCCGGC
4021 AGCGCTCTGG GTCATTTTCG GCGAGGACCG CTTTCGCTGG AGCGCGACGA TGATCGGCCT
4081 GTCGCTTGGC GTATTCGGAA TCTTGACGC CCTCGCTCAA GCCTTCGTCA CTGGTCCCGC
4141 CACCAAACGT TTCGGCGAGA AGCAGGCCAT TATCGCCGGC ATGGCGGGCC AC GCGCTGGG
4201 CTACGTCTTG CTGGCGTTCG CGACGCGAGG CTGGATGGCC TTCCCATTA TGATTCTTCT
4261 CGTTCCGGC GGCATCGGGA TGCCCGCGTT GCAGGCCATG CTGTCCAGG AGGTAGATGA
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4381 GCTGGCGTTT TTCCATAGGC TCCGCCCCCG TGACGAGCAT CAAAAAATC GACGCTCAAG
4441 TCAGAGGTGG CGAAACCCGA CAGGACTATA AAGATACCG GCGTTTCCCC CTGGAAGCTC
4501 CCTCGTGC GC TCTCCTGTT CGACCCTGCC GCTTACCGGA TACCTGTCCG CTTTCTCCC
4561 TTCGGGAAGC GTGGCGCTTT CTCATAGCTC ACGCTGTAGG TATCTCAGTT CGGTGTAGT
4621 CGTTCGCTCC AAGCTGGGCT GTGTGCACGA ACCCCCGTT CAGCCCGACC GCTGCGCCTT
4681 ATCCGGTAAC TATCGTCTTG AGTCCAACCC GGTAAGACAC GACTTATCGC CACTGGCAGC
4741 AGCCACTGGT AACAGGATTA GCAGAGCGAG GTATGTAGGC GGTGCTACAG AGTTCTTGAA
4801 GTGGTGGCCT AACTACGGCT AACTAGAAG GACAGTATT GGTATCTGCG CTCTGCTGAA
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5221 CCCCGTCGTG TAGATAACTA CGATACGGGA GGGCTTACCA TCTGGCCCA GTGCTGCAAT
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5341 AAGGGCCGAG CGCAGAAGTG GTCCTGCAAC TTTATCCGCC TCCATCCAGT CTATTAATTG
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5461 TGCTGCAGGC ATCGTGGTGT CACGCTCGTC GTTTGGTATG GCTTCATTCA GCTCCGGTTC
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5581 CGGTCCTCCG ATCGTTGTCA GAAGTAAGTT GGCCGAGTG TTATCACTCA TGTTATGGC
5641 AGCACTGCAT AATTCTCTTA CTGTCATGCC ATCCGTAAGA TGCTTTTCTG TGA CTGGTGA
5701 G TACTCAACC AAGTCATTCT GAGAATAGTG TATGCGGCGA CCGAGTTGCT CTTGCCCGGC
5761 G TCAACACGG GATAATACCG CGCCACATAG CAGAACTTA AAAGTGCTCA TCATTGGAAA
5821 AC GTTCTTCG GGGCGAAAAC TCTCAAGGAT CTTACCGCTG TTGAGATCCA GTTCGATGTA
5881 ACCCACTCGT GCACCCAAC TATCTTCAGC ATCTTTTACT TTCACCAGCG TTTCTGGGTG
5941 AGCAAAAACA GGAAGGCAAA ATGCCGCAA AAAGGGAATA AGGGCGACAC GGAATGTTG
6001 AATACTCATA CTCTCCTT TTCAATATTA TTGAAGCATT TATCAGGGT ATTGTCTCAT
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6181 AAATAGGCGT ATCACGAGGC CCTTCGTCT TCAAGAA