

# ENFINIA™ Plasmid DNA

## Elegen pAAV2-hSyn-AMP Standard Vector

### FEATURES

3' Flanking Sequence	GCAGGAACCCCTAGTGATGGAGTTG
5' Flanking Sequence	TCGTGTCGTGCCTGAGAGCGCAGTC
Origin of Replication	ColE1
Resistance Marker	AMP
Max Insert Length	14759 bp
Backbone Length	3241 bp

### SEQUENCE

GCAGGAACCCCTAGTGATGGAGTTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCCGGGGCGACCAAAAGGTCGCCCGACGCCCGGGCTTTGCCCGGGCGGCCCTCAGTG  
 AGCGAGCGAGCGCGCAGCTGCTGCAGGGGGCGCCTGATGCGGTATTTCTCCTTACGCATCTGTGCGGTATTTACACCCGCATATGGTGCACCTCTCAGTACAATCTGCTCTGATGCCG  
 CATAGTTAAGCCAGCCCCGACACCCGCCAACACCCCGCTGACGCGCCCTGACGGGCTTGTCTGCTCCCGGCATCCGCTTACAGACAAGCTGTACCCTCTCCGGGAGCTGCATGTGTC  
 AGAGGTTTTACCGTCATCACCGAAACGCGCGAGACGAAAGGGCCTCGTGATACGCCATTTTTATAGGTTAATGTCATGATAATAATGGTTCTTAGACGTCAGGTGGCACTTTTCGGG  
 GAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGATCCGCTCATGAGACAATAACCCCTGATAAATGCTTCAAATAATGAAAAAGGAAGAGATGAGTATT  
 CAACATTTCCGTCGTGCGCCCTATTCCTTTTTTGCGGCATTTCCTCTGCTGTTTTGCTCACCCAGAAACGCTGGTAAAAGTAAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGG  
 GTTACATCGAAGTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTGCCCGCGAAGAAGTTTTCCAATGATGAGCACTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTATTG  
 ACGCGGGCAAGAGCAACTCGGTGCGCGCATACACTATTCTCAGAATGACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTACGGATGGCATGACAGTAAGAGAATTATGCAGT  
 GCTGCCATAACCATGAGTGATAAAGCTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCAACATGGGGGATCATGTAACCTCGCCTTGATCG  
 TTGGGAACCCGAGCTGAATGAAGCCATACCAAACGACGAGCGTGACACCACGATCGCTGTAGCAATGGCAACAACGTTGCGCAAACTATTAAGTGGCAACTACTTACTCTAGCTTCC  
 CGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCCTTCTGCGCTCGGCCCTTCGGGCTGGTGGTTTATGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTC  
 GCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAATAGACAGATCGCTGAGATAGGTGCC  
 TCACTGATTAAGCATTGGTAAGTGTGACAGCAAGTTTACTCATATATACTTTAGATTGATTTAAACTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTGATAATCTCATGACC  
 AAAATCCCTTAACGTGAGTTTTCGTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTCTGCGCGTAATCTGCTGCTGCAAAACAAAAAAC  
 ACCGCTACCAGCGGTGGTTTTGTTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCGCAGATACCAATACTGTTCTTCTAGTGTAGCCGTAGTTAG  
 GCCACCCTTCAAGAAGTCTGTAGCACCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGCTTACCAGGTTGGACTCAAGACGATAG  
 TTACCGGATAAGGCGCAGCGGTGGGCTGAACGGGGGTTGCTGCACACAGCCAGCTGGAGCGAACGACTACACCGAACTGAGATACCTACAGCGTGAAGTATGAGAAGCGCC  
 ACGCTTCCCGAAGGGGAGAAAGCGCGACAGGTATCCGGTAAGCGGCAGGGTCCGAACAGGAGAGCGCACGAGGGAGCTCCAGGGGAAACGCCTGGTATCTTTATAGTCTGTCCGG  
 GTTTCCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAACGCCAGCAACGCGGCCCTTTTACGGTTCTTGGCCTTTTGTGCGCCTT  
 TGCTACATGTTCTTCTCGCTTATCCCTGATTTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCGCAGCCGAACGACGAGCGCAGCGAGTCAAGCGCAACGC  
 GAGGAAGCGGAAGAGCGCCCAATACGCAAAACCGCCTCCTCCCGCGCGTTGGCCGATTCAATATGACAGCTGGCACGACAGGTTTCCCGACTGGAAGCGGGCAGTGAGCGCAACGC  
 AATTAATGTGAGTTAGCTCACTCATTAGGCCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTGTGAGCGGATAACAATTTACACAGGAAACAGCTATGACCA  
 TGATTACGCCAAGCTTGCATGCCCTGCAGGCAGCTGCGCGCTCGCTCGCTCACTGAGGCCGCCGGGCAAAAGCCGGGGCTGGGGGACCTTTGGTGCCTCCGCGCCTCAGTGAGCG  
 AGCGAGCGCGCAGAGAGGGAGTGCCAACTCCATCACTAGGGGTTCCCTGCAAGAGGCCCTCGCTATGAGTGCAAGTGGGTTTTAGGACCAAGATGAGCGGGGTGGGGTGCCTA  
 CCTGACGACCGACCCCGACCCACTGGACAAGCACCCAAACCCCATTTCCCAAAATTTGCGCATCCCTATCAGAGAGGGGGAGGGGAAACAGGATGCGCGGAGGGCGCGTGCCTGCTG  
 CAGCTTACGACCGCGGACAGTGCCTTGCCTCCCGCCTGCGCGCGCGCCACCGCCGCTCAGCACTGAAGGCGCGCTGACGCTCACTGCGCGGTCCTCCCGCAAACTCCCTTCC  
 CCGGCCACCTTGGTCGCGTCCGCGCCCGCCGCGCCAGCCGGAACCGACCCACGCGAGGCGCGAGATAGGGGGGACGGGCGCCACCATCTGCGCTGCGGGCCCGGGCGACTCA  
 GCGCTGCCTCAGTCTCGGTGGGCGAGGAGTCTGTGCTGCTGAGAGCGCAGTC

## VECTOR MAP



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