

ACES™ Plasmid Sequence

pAES40

Catalog Number: 0149-40



Athena Enzyme Systems™

1450 South Rolling Road

Baltimore, MD 21227

USA

a division of Athena Environmental Sciences, Inc.

T (MD): 410-455-6319

T (USA): 888-892-8408

F: 410-455-1155

aesinfo@athenaes.com

GAATTCATGAAAAAAGAGGGGCGTTTTAGGGCTGTTGTTGGTTTCTGCCTGCGCATCAGTTTTCGCTGCCAATAATGAAACCAG
CAAGTCGGTCACTTTCCCAAAGTGTGAAGATCTGGATGCTGCCGGAATTGCCGCGAGCGTAAAACGTGATTATCAACAAAATCGCG
TGGCGCGTTGGGCAGATGATCAAAAAATTGTCGGTCAGGCCGATCCCGTGGCTTGGGTCAGTTTGCAGGACATTCAGGGTAAAGAT
GATAAATGGTCAGTACCGCTAACCGTGCCTGTTAAAGTGCCGATATTACCTACCAGGTACGCTGGACTGCAAAGCGGGAATGGC
GGAATATCAGCGGCGTCTCGAGGACGATGACGATAAGGGTACCGGATCCTCTAGAGTCGACCTGCAGCCCGGGCCATGGGCGGCC
GCAGAGCTCCACCACCACCACCACCTAAAAGCTTGGCTGTTTTGGCGGATGAGAGAAGATTTTCAGCCTGATACAGATTAAATC
AGAACGCAGAAGCGGTCTGATAAAACAGAATTTGCCTGGCGGCAGTAGCGCGGTGGTCCACCTGACCCCATGCCGAACCTCAGAA
GTGAAACGCCGTAGCGCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGAACTGCCAGGCATCAATAAAACGAAAGGC
TCAGTCGAAAGACTGGGCCTTTCTGTTTTATCTGTTGTTTGTCTGGTGAACGCTCTCTGAGTAGGACAAATCCGCCGGGAGCGGATT
TGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGCCGCCATAAACTGCCAGGCATCAATTAAGCAGAAGGCC
ATCTGACGGATGGCCTTTTTGCGTTTTCTACAACTCTTTTTGTTTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAA
TAACCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCTTTTTGCGG
CATTTTGCCTTCTCTGTTTTGCTACCCAGAAACGCTGGTGAAAGTAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTA
CATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGTTC
TGCTATGTGGCGCGGTATTATCCCGTGTGACGCCGGGCAAGAGCAACTCGGTGCCGCATACACTATTCTCAGAATGACTTGGTT
GAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAA
CACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGACAACATGGGGGATCATGTAAC
CGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAA
CGTTGCGCAAACCTATTAAGTGGCGAACTACTTACTCTAGCTTCCCGCAACAATTAAGACTGGATGGAGCGGATAAAGTTGCA
GGACCACTTCTGCGCTCGGCCCTTCCGGCTGGCTGGTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCAT
TGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAATA
GACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAAGTGTGACACCAAGTTTACTCATATATACTTTAGATTGATTAA
AACTTCATTTTTAATTTAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAATCCCTTAACGTGAGTTTTCGTTCC
ACTGAGCGTCAGACCCCGTAGAAAAGATCAAGGATCTTCTTGAGATCCTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAA
AAAACCACCGCTACCAGCGGTGGTTTTGTTTGGCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCG
CAGATACCAAATACTGTCTTCTAGTGAGCCGTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTG
CTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGC
GCAGCGGTGCGGGCTGAACGGGGGGTTCTGTGCACACAGCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGC
GTGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTGGGAACAGGAGA
GCGCACGAGGGAGCTTCCAGGGGGAACGCTGGTATCTTTATAGTCTGTGCGGGTTTCGCCACCTCTGACTTGAGCGTCGATTT
TTGTGATGCTCGTCAGGGGGGCGGAGCCTATGAAAAACGCCAGCAACGCGGCCCTTTTTACGGTTCTTGCCCTTTTGCTGGCCT
TTTGCTCACATGTTCTTTCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGC
AGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCTGATGCGGTATTTTCTCCTTACGCATCTGTGC
GGTATTTACACCGCACGAACGCCAGCAAGACGTAGCCAGCGCGTGGCCAGCTTGCAATTCGCGCTAACTTACATTAATTGCG
TTGCGCTCACTGCCCGCTTTCCAGTCGGGAAACCTGTCTGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGT
TTGCGTATTGGGCGCCAGGGTGGTTTTTCTTTTACCAGTGAGACGGGCAACAGCTGATTGCCCTTACCAGCCTGGCCCTGAGA
GAGTTGCAGCAAGCGGTCCACGTGGTTTTGCCCCAGCAGGCGAAAATCCTGTTTGATGGTGGTTAACGCGGGGATATAACATGAG
CTGTCTTCGGTATCGTCGTATCCCACTACCGAGATATCCGCACCAACGCGCAGCCCGGACTCGGTAATGGCGCGCATTGCGCCAG
CGCCATCTGATCGTTGGCAACCAGCATCGCAGTGGGAACGATGCCCTCATTACGATTTGCATGGTTTGTGAAAACCGGACATG
GCACTCCAGTCGCCTTCCCGTTCGCTATCGGCTGAATTTGATTGCGAGTGAGATATTATGCCAGCCAGCCAGACGCGACGCG
CCGAGACAGAATTAATGGGCCCGCTAACAGCGCGATTTGCTGGTGACCAATGCGACCAGATGCTCCACGCCAGTCGCGTACC
GTCTTCATGGGAGAAAATAATACTGTTGATGGGTGTCTGGTCAGAGACATCAAGAAATAACGCCGAACATTAGTGACGGCAGCTT
CCACAGCAATGGCATCCTGGTCATCCAGCGGATAGTTAATGATCAGCCACTGACGCGTTGCGCGAGAAGATTGTGCACCGCCGC
TTTACAGGCTTCGACGCCGCTTCTGTTCTACCATCGACACCACCGCTGGCACCCAGTTGATCGGCGCGAGATTTAATCGCCGCGA
CAATTTGCGACGGCGGTGCAGGGCCAGACTGGAGGTGGCAACGCCAATCAGCAACGACTGTTTGCCCGCCAGTTGTTGTGCCA
CGCGGTTGGGAATGTAATTCAGCTCCGCCATCGCCGCTTCCACTTTTTCCCGCGTTTTTCGAGAAACGTGGCTGGCCTGGTTTACC
ACGCGGGAAACGGTCTGATAAGAGACACCGGCATACTCTGCGACATCGTATAACGTTACTGGTTTTACATTCACCACCCTGAATTG
ACTCTCTTCCGGGCGCTATCATGCCATACCGCGAAAGTTTTTGACCATTCGATGGTGTCAACGTAAATGCCGCTTCGCCTTCGCGC
GCGAATTGCAAGCTGATCCGAGCTTATCGACTGCACGGTGCACCAATGCTTCTGGCGTCAGGCAGCCATCGGAAGCTGTGGTAT
GGCTGTGCAGGTGCTAAATCACTGCATAATTCTGTGCTGCTCAAGGCGCACTCCCGTCTGGATAATGTTTTTTCGCCGACATCAT
AACGGTTCTGGCAAATATTCTGAAATGAGCTGTTGACAATTAATCATCGGCTCGTATAATGTGTGGAATTGTGAGCGGATAACAATT
TCACACAGGAAACAGAATTAGGAGATA