

ACES™ Plasmid Sequence



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pAES40 YebF Export Vector
 Catalog Number: 0149-40

MCS of pAES40: [YebF coding sequence is 5' to the XhoI site.]

XhoI
EK Site
↓ *KpnI*
BamHI
XbaI
SalI
PstI
SmaI
NcoI

CTC GAG GAC GAT GAC GAT AAG
GGT ACC
GGA TCC
TCT AGA
GTC GAC
CTG CAG
CCC GGG
CCA TGG
GCG

NotI
SacI
His-Tag
Stop
HindIII

GCC GCA GAG CTC
CAC CAC CAC CAC CAC CAC
TAA AAGCTT

Coding Sequence of YebF-MCS-His Tag:

atgaaaaaaagagggggcgttttttagggcgtgtgttggtttctgcctgcgcacatcagtttctgctgccaataatgaaaccagcaagtgcgtc
 M K K R G A F L G L L L V S A C A S V F A A N N E T S K S V
 actttcccaaagtgtgaagatctggatgctgccggaattgccgagcgtaaaacgtgattatcaacaaaaatcgcggtggcggttgggca
 T F P K C E D L D A A G I A A S V K R D Y Q Q N R V A R W A
 gatgatcaaaaaattgtcggtcaggccgatcccgtggcttggtcagtttgaggacattcagggtaaagatgataaattggctcagtcacg
 D D Q K I V G Q A D P V A W V S L Q D I Q G K D D K W S V P
 ctagccgtgctggtaaaagtgccgatattcattaccaggtcagcgtggactgcaaagcgggaatggcggaatatcagcggcgtctcgag
 L A V R G K S A D I H Y Q V S V D C K A G M A E Y Q R R L E
 gacgatgacgataagggatccggatcctctagagtcgacctgcagcccgggcatggcgggcgcagagctccaccaccaccaccacc
 D D D D K G T G S S R V D L Q P G P W A A A E L H H H H H H

pAES40 Vector Sequence:

GAATTCATGAAAAAAGAGGGCGTTTTTAGGGCTGTTGTTGGTTTTCTGCCTGCGCATCAGTTTTTCGCTGCCAATAATGAAACCAGCAAGTCGGTCACTTTCCCAAAGTGTGAA
 GATCTGGATGCTGCCGGAATTGCCGCGAGCGTAAAACGTGATTATCAACAAAATCGCGTGGCGCGTTGGGCGAGATGATCAAAAATTGTCGGTCAGGCCGATCCCGTGGCTTGG
 GTCAAGTTGCAGGACATTTCAGGGTAAAGATGATAAATGGTCAGTACCGCTAGCCGTGCGTGGTAAAAGTGCAGATATTATTACCAGGTCAGCGTGGACTGCAAGCGGGGAATG
 CGGGAATATCAGCGCGCTCTCGAGGACGATGACGATAAGGGTACCGGATCCTCTAGAGTCGACCTGCAGCCCGGGCCATGGGCGGGCAGAGCTCCACCACCACCACCACC
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 ATCAAAATATGTATCCGCTCATGAGACATAAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGATATGAGTATCAACATTTCCGCTGTCGCCCTTATCCCTTTTTTG
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 GCCGATACACTATTTCTCAGAATGACTTGGTTGAGTACTCACCAGTCACAGAAAAGCACTTTACCGGATGGCATGACAGTAAGAGAATTTATGAGTCTGCCATAACCATGAGTG
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 AAACAAAAAAACCACCGTACCAGCGGTGGTTTTGTTTTGCCGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAACCTGGCTTACGACAGCGCAGATACCAAATACTGTCTTCT
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 TTTTACGTTCCGCGCTTTTGGTGGCCTTTTGTGCTCACATGTTCTTCCCTGCGTTATCCCTGATTTCTGTGATAACCGTATTACCAGCTTTGAGTGGATGAGTACCGCTCGCC
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 ATATCCGACCAACCGCGAGCCCGGACTCGGTAATGGCGCGCATTTGCCCCAGCGCCTCTGATCGTTGGCAACGACATCGCAGTGGGAACGATGCCCTCATTCAGCATTTGC
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 GTCTGGTCAGAGACATCAAGAAATAACGCCGAACATTTAGTGCAGGCAGCTTCCACAGCAATGGCATCCTGGTATCCAGCGGATAGTTAATGATCAGCCACTGACGCGTTGC
 GCGAGAAGATTGTGCACCGCCGTTTACAGGCTTCCAGCGCGCTTCGTTTACCATTCGACACCACCGCTGGCACCAGTGTATCGGCGCGAGATTTAATCGCCGCGACAAT
 TTGCGACGGCGCTGACAGGGCCAGACTGGAGGTGGCAACGCCAATCAGCAACGACTGTTTTGCCCGCCAGTTGTTGTGCCACGCGGTTGGGAATGTAATTCAGCTCCGCCATCG
 CCGCTTCCACTTTTTCCCGGTTTTTCGAGAAAACGTTGGCTGGCTTCCACCAGCGGAAACCGGTCTGATAAGAGACACCGGCACTACTGCGACATCGTATAACGTTACT
 GTTTCCACTTACCACCGGACTGACTTCTCCGGGCGCTATACGCCATACCAGAAAGTTTGGCAATTTGATGTTGACATTTGCGAGTGGTCAACGTAATTCAGCTTCCGCTTCGCGC
 GCGAATTCGAAGCTGATCCGAGCTTATCGACTGCACGGTGCACCAATGCTTCTGCGCTCAGGCGCCATCGGAAGCTGTGGTATGGCTGTGCAGGTGTAATCACTGCATAA
 TTCGTGTCGCTCAAGCGCACTCCGCTTCTGGATAATGTTTTTGGCGCGACATCATAACGGTCTTGGCAATAATCTGAAATGAGCTGTGACAATTAATCATCGGCTCGTAT
 AATGTGTGGAATTTGTGAGCGGATAACAATTTACACAGGAAACAGAATTAGGAGata