

ID Construct **12ABHCOC** Map

Customer **UNIVERSITÄT REGENSBURG, Jennifer Flechsler**

Name of the gene **Igni_0341**

optimized for **Escherichia coli**

24.10.2012 09:32:39

ClaI *BamHI* *NdeI*

GGGATCTGTACGACGATGACGATAAGGATCGATGGGGATCCCATATGGTGAAAGTTCCGA
 1 -----+-----+-----+-----+-----+-----+
 CCCTAGACATGCTGCTACTGCTATTCCTAGCTACCCCTAGGGTATACCACTTTCAAGGCT
 M_V_K_V_P_K

AACTGATGGCAACCCAGCATCCGGATAGCACCGTTGTTCTGATGCCGCAGGATGAAGTTG
 61 -----+-----+-----+-----+-----+-----+
 TTGACTACCGTTGGGTCGTAGGCCTATCGTGGCAACAAGACTACGGCGTCCTACTTCAAC
 _L_M_A_T_Q_H_P_D_S_T_V_V_L_M_P_Q_D_E_V_E

AAGAGGCAATTCAGGATGTTCTGCCGCTGGATCAGGGTGGTCGTGGTTGTGATGAAAAAA
 121 -----+-----+-----+-----+-----+-----+
 TTCTCCGTTAAGTCCTACAAGACGGCGACCTAGTCCCACCAGCACCAACACTACTTTTTT
 _E_A_I_Q_D_V_L_P_L_D_Q_G_G_R_G_C_D_E_K_M

TGGTTGATTATGAAGGTAAAGCCACCCCGTATAATCAGATGCGTGATATTATTGAAGAGG
 181 -----+-----+-----+-----+-----+-----+
 ACCAACTAATACTTCCATTTTCGGTGGGGCATATTAGTCTACGCACTATAATACTTCTCC
 _V_D_Y_E_G_K_A_T_P_Y_N_Q_M_R_D_I_I_E_E_V

TGCGCAAATATGATGTTGTTCCGGGTGAAGATTTTCTGATTACACCGCGTGTTCCGAATC
 241 -----+-----+-----+-----+-----+-----+
 ACGCGTTTATACTACAACAAGGCCCACTTCTAAAAGACTAATGTGGCGCACAAGGCTTAG
 _R_K_Y_D_V_V_P_G_E_D_F_L_I_T_P_R_V_P_N_P

CGAAACTGGAAGATAAAGATCGTCATCTGCTGGCAATTACCGCAGCAGTTACCGCAAATA
 301 -----+-----+-----+-----+-----+-----+
 GCTTTGACCTTCTATTTCTAGCAGTAGACGACCGTTAATGGCGTCGTCAATGGCGTTTAT
 _K_L_E_D_K_D_R_H_L_L_A_I_T_A_A_V_T_A_N_M

TGTATAGCCAGATGTATTTCAACACCGATGCCATCAAATATATCATTCTGCCGATGAGCA
 361 -----+-----+-----+-----+-----+-----+
 ACATATCGGTCTACATAAAGTTGTGGCTACGGTAGTTTATATAGTAAGACGGCTACTCGT
 _Y_S_Q_M_Y_F_N_T_D_A_I_K_Y_I_I_L_P_M_S_T

CCAGCACCCCTGGAAGTGGCAGAAAGTTCAGCGTCGTATTCTGAAAGTTGAACGTCTGGTTA
 421 -----+-----+-----+-----+-----+-----+
 GGTCTGTTGGACCTTGACCGTCTTCAAGTCGCAGCATAAGACTTTCAACTTGCAGACCAAT
 _S_T_L_E_L_A_E_V_Q_R_R_I_L_K_V_E_R_L_V_S

BstBI

GCGAAGAATTTAGCCTGCGTATTGAAGAATGGATTAACTGATTCCGCTGTTCGAAACCG
 481 -----+-----+-----+-----+-----+-----+
 CGCTTCTTAAATCGGACGCATAACTTCTTACCTAATTTGACTAAGGCGACAAGCTTTGGC
 _E_E_F_S_L_R_I_E_E_W_I_K_L_I_P_L_F_E_T_A

CAGAAAGCCACATGCATATTGATGAAATTGTTGAAGGTCTGCGCATTGCCTTCATTAAAG
 541 -----+-----+-----+-----+-----+-----+
 GTCTTTCGGTGTACGTATAACTACTTTAACAACCTCCAGACGCGTAACGGAAGTAATTTTC
 _E_S_H_M_H_I_D_E_I_V_E_G_L_R_I_A_F_I_K_E

AAATTGGCATGTTTGAGAACGAATTTTCGCATCTTTATGGGCAAAAGCGATAGCGGTATTC
 601 -----+-----+-----+-----+-----+-----+
 TTTAACCGTACAAACTCTTGCTTAAAGCGTAGAAATACCCGTTTTTCGCTATCGCCATAAG
 _I_G_M_F_E_N_E_F_R_I_F_M_G_K_S_D_S_G_I_H

ATAGCGGTCATATTGCAAGCAGCATTGGTGTTCGTATGGGTCTGCTGAAACTGTGGAATT
 661 -----+-----+-----+-----+-----+-----+
 TATCGCCAGTATAACGTTTCGTCTGTAACCACAAGCATACCCAGACGACTTTGACACCTTAA
 _S_G_H_I_A_S_S_I_G_V_R_M_G_L_L_K_L_W_N_W

GGCAGAAAGATACCATGTTCAAAGTGTATCCGATTATCGGTATGGGTAAACCGCCTCTGC
 721 -----+-----+-----+-----+-----+-----+
 CCGTCTTTCTATGGTACAAGTTTCACATAGGCTAATAGCCATACCCATTTGGCGGAGACG
 _Q_K_D_T_M_F_K_V_Y_P_I_I_G_M_G_K_P_P_L_R

GTGGTCACATGGCAGAATGGGTTATTGAAGATTGGGTTGAAGCATGGCGTGGTTATTATA
 781 -----+-----+-----+-----+-----+-----+
 CACCAAGTGTACCGTCTTACCCAATAACTTCTAACCCAACCTTCGTACCGCACCAATAATAT
 _G_H_M_A_E_W_V_I_E_D_W_V_E_A_W_R_G_Y_Y_T

PvuI

CCGCAACCGTTCAGAGCGCACTGCGTTTTAATACCGATCGTAAAGATTATGTGCATACCA
 841 -----+-----+-----+-----+-----+-----+
 GGCCTTGGCAAGTCTCGCGTGACGCAAAATTATGGCTAGCATTTCTAATACACGTATGGT
 _A_T_V_Q_S_A_L_R_F_N_T_D_R_K_D_Y_V_H_T_I

BstEII

TTACCGTGGTGACCAAAAAATAGCGGTAAACAGCCTCCGCTGGAACCTGCTGGGTTATGCAA
 901 -----+-----+-----+-----+-----+-----+
 AATGGCACCACCTGGTTTTTATCGCCATTTGTCGGAGGCGACCTTGACGACCCAATACGTT
 _T_V_V_T_K_N_S_G_K_Q_P_P_L_E_L_L_G_Y_A_K

AAGAAATGGTTAATGTTGCATGGCGTGCAAGCGAAGTTTATCTGAGCCGTCTGGAACGTC
 961 -----+-----+-----+-----+-----+-----+
 TTCTTTACCAATTACAACGTACCGCACGTTTCGCTTCAAATAGACTCGGCAGACCTTGACG
 _E_M_V_N_V_A_W_R_A_S_E_V_Y_L_S_R_L_E_R_L

TGGCAGATATGATTAGCTTTATGGCCAAATTTGTTACCCGTACCCGTGCACGTCTGGATA
 1021 -----+-----+-----+-----+-----+-----+
 ACCGTCTATACTAATCGAAATACCGGTTTAAACAATGGGCATGGGCACGTGCAGACCTAT
 _A_D_M_I_S_F_M_A_K_F_V_T_R_T_R_A_R_L_D_S

AgeI

GCTATAAACGTCGTGCAAAAACCGGTAAAGAAATGCCTCGTGCAATTCGTTTTTGTGCAA
 1081 -----+-----+-----+-----+-----+-----+
 CGATATTTGCAGCACGTTTTTGGCCATTTCTTTACGGAGCACGTTAAGCAAAAACACGTT
 _Y_K_R_R_A_K_T_G_K_E_M_P_R_A_I_R_F_C_A_S

GCCTGTATAGCATGGGTCTGGGTCCGACCCTGATTGGTGCCGGTGTTATTGAAGAACTGG
 1141 -----+-----+-----+-----+-----+-----+-----+
 CGGACATATCGTACCCAGACCCAGGCTGGGACTAACCACGGCCACAATAACTTCTTGACC
 _L_Y_S_M_G_L_G_P_T_L_I_G_A_G_V_I_E_E_L_A

CAAGCGGCACCCGAGAAAACTGGAACATCTGCTGAAATTTGTTCCGCTGCTGCCGAAAG
 1201 -----+-----+-----+-----+-----+-----+-----+
 GTTCGCCGTGGCGTCTTTTGGACCTTGTAGACGACTTTAAACAAGGCGACGACGGCTTTC
 _S_G_T_A_E_K_L_E_H_L_L_K_F_V_P_L_L_P_K_D

ATTTTGCATTTGATTATGCATTCACCGATCTGGAAGTGTTCAAACGTTATGTGGATGAAA
 1261 -----+-----+-----+-----+-----+-----+-----+
 TAAACGTAATACTAATACGTAAGTGGCTAGACCTTCACAAGTTTGAATACACCTACTTT
 _F_A_F_D_Y_A_F_T_D_L_E_V_F_K_R_Y_V_D_E_K

AAACCTTTGAAATTATCAAAAAAGATGTGGATGTGGTGAAAGAATACTTCGCCAATGTTG
 1321 -----+-----+-----+-----+-----+-----+-----+
 TTTGGAACTTTAATAGTTTTTCTACACCTACACCACTTTCTTATGAAGCGGTTACAAC
 _T_F_E_I_I_K_K_D_V_D_V_V_K_E_Y_F_A_N_V_E

AACCGCCTAAAAGCCCTCCGGAAGGTTATTTTGAAAACTGCGCGAACTGCGTGCGTGCAC
 1381 -----+-----+-----+-----+-----+-----+-----+
 TTGGCGGATTTTCGGGAGGCCTTCCAATAAACTTTTTGACGCGCTTGACGCACCACGTG
 _P_P_K_S_P_P_E_G_Y_F_E_K_L_R_E_L_R_G_A_L

TGGATGAAGCCGAAGTTAGCCGTGCAAAAGCAATTGTTATGGAAGTGGCCGAAATGCGTG
 1441 -----+-----+-----+-----+-----+-----+-----+
 ACCTACTTCGGCTTCAATCGGCACGTTTTCGTTAACAATACCTTGACCGGCTTTACGCAC
 _D_E_A_E_V_S_R_A_K_A_I_V_M_E_L_A_E_M_R_G

NcoI EcoRI HindIII
HincII BstBI

GTTTTCTGGGTTAACCATGGAATTCGAAGCTTGATCCGGCTGCTAACAAAGCCCG
 1501 -----+-----+-----+-----+-----+-----+-----+
 CAAAAGACCCAATTGGTACCTTAAGCTTCGAACTAGGCCGACGATTGTTTCGGGC
 _F_L_G_*_