

ID Construct **13ABGM3C** Map

Customer **UNIVERSITÄT REGENSBURG, Jennifer Flechsler**

Name of the gene **Igni_1263**

optimized for **Escherichia coli**

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NheI

TGCGGGGTTCTCATCATCATCATCATGGTATGGCTAGCCTGGCACGTGTTCCGTATA
 1 -----+-----+-----+-----+-----+-----+
 ACGCCCCAAGAGTAGTAGTAGTAGTACCATACCGATCGGACCGTGCACAAGGCATAT
 L A R V P Y K

AgeI

AAGTTGCAGTTATTGGCACC GGTCGTGTTGGTGCAACCTTTGCATATACAATGGCAATTG
 61 -----+-----+-----+-----+-----+-----+
 TTCAACGTCAATAACCGTGGCCAGCACAACCACGTTGGAAACGTATATGTTACCGTTAAC
 V A V I G T G R V G A T F A Y T M A I V

TTCCGGGTGTTGCACGTATGGTTCTGGTTGATGCAGTTCCGGGTCTGAGCAAAGGTGTTA
 121 -----+-----+-----+-----+-----+-----+
 AAGGCCCAACAGTGCATACCAAGACCAACTACGTCAAGGCCCAGACTCGTTTCCACAAT
 P G V A R M V L V D A V P G L S K G V M

NdeI

TGGAAGATATTAAACATGCCGCAGCAGTTTTTCGTCGTAGCATTTCAGGTTGAAGCATATG
 181 -----+-----+-----+-----+-----+-----+
 ACCTTCTATAATTTGTACGGCGTCGTCAAAAAGCAGCATCGTAAGTCCAACCTTCGTATAC
 E D I K H A A A V F R R S I Q V E A Y D

BspMI

ATGATGTTAGCAAAGTGGA AAAATGCCGATGCCATTGTTATTACCGCAGGTAAACCGCGTA
 241 -----+-----+-----+-----+-----+-----+
 TACTACAATCGTTTCACCTTTTACGGCTACGGTAACAATAATGGCGTCCATTTGGCGCAT
 D V S K V E N A D A I V I T A G K P R K

EcoRV

AAGCAGATATGAGCCGTCGTGATCTGGCAAAAGTTAATGCACAGATTATTCGCGATATCG
301 -----+-----+-----+-----+-----+-----+
TTCGTCTATACTCGGCAGCACTAGACCGTTTTCAATTACGTGTCTAATAAGCGCTATAGC
_A_D_M_S_R_R_D_L_A_K_V_N_A_Q_I_I_R_D_I_G

GTGATAAACTGCGTGATCGTAATCCGGGTGCCTTTTATATGGTTATTACCAATCCGGTTG
361 -----+-----+-----+-----+-----+-----+
CACTATTTGACGCACTAGCATTAGGCCACGGAATATACCAATAATGGTTAGGCCAAC
_D_K_L_R_D_R_N_P_G_A_F_Y_M_V_I_T_N_P_V_D

ATGTGATGACCATGATTCTGAGTGATGTGATTGGCAATAAAGGCACCGTTATTGGTACAG
421 -----+-----+-----+-----+-----+-----+
TACACTACTGGTACTAAGACTCACTACACTAACCGTTATTTCCGTGGCAATAACCATGTC
_V_M_T_M_I_L_S_D_V_I_G_N_K_G_T_V_I_G_T_G

GCACCAGCCTGGATACCTATCGTTTTTCGTAGCGCAGTTAGCGAACTGCTGAATGAACCGA
481 -----+-----+-----+-----+-----+-----+
CGTGGTCGGACCTATGGATAGCAAAAGCATCGCGTCAATCGCTTGACGACTTACTTGGCT
_T_S_L_D_T_Y_R_F_R_S_A_V_S_E_L_L_N_E_P_I

HincII

TTGCAGCAATTGATGGTTATGTTGTTGGTGAACATGGTGAAGAGGCATTTGTTGCATGGT
541 -----+-----+-----+-----+-----+-----+
AACGTCGTAACTACCAATACAACAACCACTTGTACCACTTCTCCGTAAACAACGTACCA
_A_A_I_D_G_Y_V_V_G_E_H_G_E_E_A_F_V_A_W_S

CAACCGTTACCGTTAAAGGTGTTCCGATTGATGAGTATATCAAAGAGAAAGGTCTGGATC
601 -----+-----+-----+-----+-----+-----+
GTTGGCAATGGCAATTTCCACAAGGCTAACTACTCATATAGTTTCTCTTTCCAGACCTAG
_T_V_T_V_K_G_V_P_I_D_E_Y_I_K_E_K_G_L_D_L

TGAGCCGTAGCCGTATTGAAGAATATGTTAAAGAAGTTGCAGCCACCATTATTGCAAAAC
661 -----+-----+-----+-----+-----+-----+
ACTCGGCATCGGCATAACTTCTTATACAATTTCTTCAACGTCGGTGGTAATAACGTTTTG
_S_R_S_R_I_E_E_Y_V_K_E_V_A_A_T_I_I_A_K_Q

AGGGTGCAACCATTTGGGGTCCGGCAGCAACCTTTCAAGAAATTGTTGTTAGCCATCTGG
 721 -----+-----+-----+-----+-----+-----+
 TCCCACGTTGGTAAACCCCAGGCCGTCGTTGGAAAGTTCTTTAACAACAATCGGTAGACC
 _G_A_T_I_W_G_P_A_A_T_F_Q_E_I_V_V_S_H_L_A

CAAACGAAGGTCGTATTATTCCGGTTAGCGTTGTTCAAGAAGTTCCTGGCGTTGGTCGTG
 781 -----+-----+-----+-----+-----+-----+
 GTTTGCTTCCAGCATAATAAGGCCAATCGCAACAAGTTCTTCAAGGACCGCAACCAGCAC
 _N_E_G_R_I_I_P_V_S_V_V_Q_E_V_P_G_V_G_R_V

PvuII

TTGCAGTTAGCGTTCCGACCAAAATTAGCGGTCGTCTGGTTCCGCTGCCGCAGCTGCTGA
 841 -----+-----+-----+-----+-----+-----+
 AACGTCAATCGCAAGGCTGGTTTAAATCGCCAGCAGACCAAGGCGACGGCGTCGACGACT
 _A_V_S_V_P_T_K_I_S_G_R_L_V_P_L_P_Q_L_L_N

ACGAAGAAGAACGCGAACGTCTGAAACGTGCAGCCGAAGCAATTAAACGTGTTTATGAAG
 901 -----+-----+-----+-----+-----+-----+
 TGCTTCTTCTTGCGCTTGCAGACTTTGCACGTCGGCTTCGTTAATTTGCACAAATACTTC
 _E_E_E_R_E_R_L_K_R_A_A_E_A_I_K_R_V_Y_E_E

EcoRI HindIII

NcoI BstBI

AAGCAGTGAGCAGCTAACCATGGAATTCGAAGCTTGATCCGGCTGCTAACAAAGCCCG
 961 -----+-----+-----+-----+-----+-----+
 TTCGTCACTCGTCGATTGGTACCTTAAGCTTCGAACTAGGCCGACGATTGTTTCGGGC
 _A_V_S_S_*_