

ID Construct **13ABGM2C** Map

Customer **UNIVERSITÄT REGENSBURG, Jennifer Flechsler**

Name of the gene **Igni_1263**

optimized for **Escherichia coli**

29.06.2013 15:46:34

SacI *NheI*

CGAATTGGCGGAAGGCCGTCAAGGCCACGTGTCTTGTCCAGAGCTCGCTAGCCTGGCACG
 1 -----+-----+-----+-----+-----+-----+
 GCTTAACCGCCTTCCGGCAGTTCCGGTGCACAGAACAGGTCTCGAGCGATCGGACCGTGC
 L A R

AgeI

TGTTCCGTATAAAGTTGCAGTTATTGGCACCGGTCGTGTTGGTGCAACCTTTGCATATAC
 61 -----+-----+-----+-----+-----+-----+
 ACAAGGCATATTTCAACGTCAATAACCGTGGCCAGCACAACCACGTTGGAAACGTATATG
 V P Y K V A V I G T G R V G A T F A Y T

AATGGCAATTGTTCCGGGTGTTGCACGTATGGTTCTGGTTGATGCAGTTCCGGGTCTGAG
 121 -----+-----+-----+-----+-----+-----+
 TTACCGTTAACAAGGCCCAACGTGCATACCAAGACCAACTACGTCAAGGCCCAGACTC
 M A I V P G V A R M V L V D A V P G L S

CAAAGGTGTTATGGAAGATATTAACATGCCGCAGCAGTTTTTCGTCTAGCATTACAGGT
 181 -----+-----+-----+-----+-----+-----+
 GTTTCCACAATACCTTCTATAATTTGTACGGCGTCGTCAAAAAGCAGCATCGTAAGTCCA
 K G V M E D I K H A A A V F R R S I Q V

NdeI

BspMI

TGAAGCATATGATGATGTTAGCAAAGTGAAAAATGCCGATGCCATTGTTATTACCGCAGG
 241 -----+-----+-----+-----+-----+-----+
 ACTTCGTATACTACTACAATCGTTTCACCTTTTACGGCTACGGTAACAATAATGGCGTCC
 E A Y D D V S K V E N A D A I V I T A G

TAAACCGCGTAAAGCAGATATGAGCCGTCGTGATCTGGCAAAAGTTAATGCACAGATTAT
 301 -----+-----+-----+-----+-----+-----+
 ATTTGGCGCATTTTCGTCTATACTCGGCAGCACTAGACCGTTTTCAATTACGTGTCTAATA
K P R K A D M S R R D L A K V N A Q I I

EcoRV

TCGCGATATCGGTGATAAACTGCGTGATCGTAATCCGGGTGCCTTTTATATGGTTATTAC
 361 -----+-----+-----+-----+-----+-----+
 AGCGCTATAGCCACTATTTGACGCACTAGCATTAGGCCACGGAATATACCAATAATG
R D I G D K L R D R N P G A F Y M V I T

CAATCCGGTTGATGTGATGACCATGATTCTGAGTGATGTGATTGGCAATAAAGGCACCGT
 421 -----+-----+-----+-----+-----+-----+
 GTTAGGCCAACTACACTACTGGTACTAAGACTCACTACACTAACCGTTATTTCCGTGGCA
N P V D V M T M I L S D V I G N K G T V

TATTGGTACAGGCACCAGCCTGGATACCTATCGTTTTTCGTAGCGCAGTTAGCGAACTGCT
 481 -----+-----+-----+-----+-----+-----+
 ATAACCATGTCCGTGGTCGGACCTATGGATAGCAAAAGCATCGCGTCAATCGCTTGACGA
I G T G T S L D T Y R F R S A V S E L L

GAATGAACCGATTGCAGCAATTGATGGTTATGTTGTTGGTGAACATGGTGAAGAGGCATT
 541 -----+-----+-----+-----+-----+-----+
 CTTACTTGGCTAACGTCGTTAACTACCAATACAACAACCACTTGTACCACTTCTCCGTAA
N E P I A A I D G Y V V G E H G E E A F

HincII

TGTTGCATGGTCAACCGTTACCGTTAAAGGTGTTCCGATTGATGAGTATATCAAAGAGAA
 601 -----+-----+-----+-----+-----+-----+
 ACAACGTACCAGTTGGCAATGGCAATTTCCACAAGGCTAACTACTCATATAGTTTCTCTT
V A W S T V T V K G V P I D E Y I K E K

AGGTCTGGATCTGAGCCGTAGCCGTATTGAAGAATATGTTAAAGAAGTTGCAGCCACCAT
 661 -----+-----+-----+-----+-----+-----+
 TCCAGACCTAGACTCGGCATCGGCATAACTTCTTATACAATTTCTTCAACGTCGGTGGTA
G L D L S R S R I E E Y V K E V A A T I

TATTGCAAAACAGGGTGCAACCATTTGGGGTCCGGCAGCAACCTTTCAAGAAATTGTTGT
 721 -----+-----+-----+-----+-----+-----+
 ATAACGTTTTGTCCACGTTGGTAAACCCAGGCCGTCGTTGGAAAGTTCTTTAACAACA
 _I_A_K_Q_G_A_T_I_W_G_P_A_A_T_F_Q_E_I_V_V_

TAGCCATCTGGCAAACGAAGGTCGTATTATTCCGGTTAGCGTTGTTCAAGAAGTTCCTGG
 781 -----+-----+-----+-----+-----+-----+
 ATCGGTAGACCGTTTGCTTCCAGCATAATAAGGCCAATCGCAACAAGTTCTTCAAGGACC
 _S_H_L_A_N_E_G_R_I_I_P_V_S_V_V_Q_E_V_P_G_

CGTTGGTCGTGTTGCAGTTAGCGTTCCGACCAAAATTAGCGGTCGTCTGGTTCCGCTGCC
 841 -----+-----+-----+-----+-----+-----+
 GCAACCAGCACAAACGTCAATCGCAAGGCTGGTTTTAATCGCCAGCAGACCAAGGCGACGG
 _V_G_R_V_A_V_S_V_P_T_K_I_S_G_R_L_V_P_L_P_

PvuII
 GCAGCTGCTGAACGAAGAAGAACGCGAACGTCTGAAACGTGCAGCCGAAGCAATTAAACG
 901 -----+-----+-----+-----+-----+-----+
 CGTCGACGACTTGCTTCTTCTTGCGCTTGCAGACTTTGCACGTCGGCTTCGTTAATTTGC
 _Q_L_L_N_E_E_E_R_E_R_L_K_R_A_A_E_A_I_K_R_

NcoI KpnI
 TGTTTATGAAGAAGCAGTGAGCAGCTAACCATGGGGTACCTGGAGCACAAGACTGGCCTC
 961 -----+-----+-----+-----+-----+-----+
 ACAATACTTCTTCGTCACTCGTCGATTGGTACCCCATGGACCTCGTGTTCTGACCGGAG
 _V_Y_E_E_A_V_S_S_*_

ATGGGCCTTCCGCTCACTGC
 1021 -----+-----+
 TACCCGGAAGGCGAGTGACG