

ID Construct **14AGDG7C**

Customer **UNIVERSITÄT REGENSBURG, Jennifer Flechsler**

Name of the gene **pRSET_A_Ignt_0379**

optimized for **Escherichia coli**

27.09.2014 11:28:35

Upper sequence: as provided
Lower sequence: as sequenced

Sequence identity: 100%

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                                     GCTAGCGTTTATCATGATCCGGGTA
                                     |||
1  TCGGGGTTCTCATCATCATCATCATGGTATGGCTAGCGTTTATCATGATCCGGGTA
   -----+-----+-----+-----+-----+-----+-----+
                                     |||
61 AACCGGTTTCATAAAATCATTGAAGAACGTGCACGTGAGAGTCCGGATAAAGTTGCACTGG
   AACCGGTTTCATAAAATCATTGAAGAACGTGCACGTGAGAGTCCGGATAAAGTTGCACTGG
   -----+-----+-----+-----+-----+-----+-----+
                                     |||
121 TTTATGAAGATGGCACCGAACTGACCTATAAAGATCTGATTAGCAAAGCAAAGCCGTTG
   TTTATGAAGATGGCACCGAACTGACCTATAAAGATCTGATTAGCAAAGCAAAGCCGTTG
   -----+-----+-----+-----+-----+-----+-----+
                                     |||
181 CCAATCTGCTGTATGAAAATAAAGTTCGCAAATGCGATACCGTGTTCTGATTATGTTTA
   CCAATCTGCTGTATGAAAATAAAGTTCGCAAATGCGATACCGTGTTCTGATTATGTTTA
   -----+-----+-----+-----+-----+-----+-----+
                                     |||
241 ACCGTCCGGAATTTGTTACCAGCCTGCTGGGTGCACTGTATGCCGGTGACGTGTTGTTA
   ACCGTCCGGAATTTGTTACCAGCCTGCTGGGTGCACTGTATGCCGGTGACGTGTTGTTA
   -----+-----+-----+-----+-----+-----+-----+
                                     |||
301 TTGTTGATGCACTGACCCAGAAAGAAGATCTGGCATTTCAGCTGAATGATAGCGCACCGA
   TTGTTGATGCACTGACCCAGAAAGAAGATCTGGCATTTCAGCTGAATGATAGCGCACCGA
   -----+-----+-----+-----+-----+-----+-----+

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AAGTTGTTCTGGCAGATGAAGAAGTTCTGCAGCGCGAAAGCGAAACCCTGAAAGGTTATG
 |||||
 AAGTTGTTCTGGCAGATGAAGAAGTTCTGCAGCGCGAAAGCGAAACCCTGAAAGGTTATG
 361 -----+-----+-----+-----+-----+-----+

CAGTTCTGACCGAAAAAGATCTGAGCAGCGCAAGCGGTGAACATGAAGTTGTTGTTGGTT
 |||||
 CAGTTCTGACCGAAAAAGATCTGAGCAGCGCAAGCGGTGAACATGAAGTTGTTGTTGGTT
 421 -----+-----+-----+-----+-----+-----+

ATGAAGATGATGCCCGTGTTTTCTATTATGCAGGTATTGCAGGTCGTACCATGCAGGTTA
 |||||
 ATGAAGATGATGCCCGTGTTTTCTATTATGCAGGTATTGCAGGTCGTACCATGCAGGTTA
 481 -----+-----+-----+-----+-----+-----+

TTCATAGCCATCGTAGCTTTACCGGTGCAATTATGCCGCTGGTTCAGGCCGAAGGTATTA
 |||||
 TTCATAGCCATCGTAGCTTTACCGGTGCAATTATGCCGCTGGTTCAGGCCGAAGGTATTA
 541 -----+-----+-----+-----+-----+-----+

ATGCAAATGATGTTAGCCTGGTTACCGTTCCGCTGACCCATGTTCTGGGTCTGGATGCAG
 |||||
 ATGCAAATGATGTTAGCCTGGTTACCGTTCCGCTGACCCATGTTCTGGGTCTGGATGCAG
 601 -----+-----+-----+-----+-----+-----+

CACTGCTGAGCGCACTGGTTAGCGGTGCAACCGCACTGCTGCTGAAAAAGTTCAATATGG
 |||||
 CACTGCTGAGCGCACTGGTTAGCGGTGCAACCGCACTGCTGCTGAAAAAGTTCAATATGG
 661 -----+-----+-----+-----+-----+-----+

ATAAAATCAAAGAGATGGTTGCACGTCGTAGCCCGACCTATCTGGTTGCAGTTCCGCTGG
 |||||
 ATAAAATCAAAGAGATGGTTGCACGTCGTAGCCCGACCTATCTGGTTGCAGTTCCGCTGG
 721 -----+-----+-----+-----+-----+-----+

TTTTTCAGACCCTGATGAAAGAAGATGAAGAATTTGTAAAAGCCTGGGTCAGAGCCTGC
 |||||
 TTTTTCAGACCCTGATGAAAGAAGATGAAGAATTTGTAAAAGCCTGGGTCAGAGCCTGC
 781 -----+-----+-----+-----+-----+-----+

GTTGGGCAATGAGCGGTGGTGCATATCTGCCTCCGGATGATCAGCGTCGTTGGGAAGAAC
 |||||
 GTTGGGCAATGAGCGGTGGTGCATATCTGCCTCCGGATGATCAGCGTCGTTGGGAAGAAC
 841 -----+-----+-----+-----+-----+-----+

TGACCGGTAAACCGCTGCTGCAGGTTTATGGTATGACCGAAGCACCGCAGATTTTTGCAA
 ||
 TGACCGGTAAACCGCTGCTGCAGGTTTATGGTATGACCGAAGCACCGCAGATTTTTGCAA
 901 -----+-----+-----+-----+-----+-----+-----+

CCACACCCGAAAAACATAAAATTGGTAGCCTGGGTTTTCCGCTGCCTGGTGTGAAGCAC
 ||
 CCACACCCGAAAAACATAAAATTGGTAGCCTGGGTTTTCCGCTGCCTGGTGTGAAGCAC
 961 -----+-----+-----+-----+-----+-----+-----+

TGCTGGTTAATCCGGAACCCTGGAACCGGTTGAAGATCAGGGTGAAGTCTGGTTCGTG
 ||
 TGCTGGTTAATCCGGAACCCTGGAACCGGTTGAAGATCAGGGTGAAGTCTGGTTCGTG
 1021 -----+-----+-----+-----+-----+-----+-----+

GTCCGCAGGTTATGAAATGTTATCCGGATCCTGAAGAAAACAGCAAAGCCTTTGTTGAAG
 ||
 GTCCGCAGGTTATGAAATGTTATCCGGATCCTGAAGAAAACAGCAAAGCCTTTGTTGAAG
 1081 -----+-----+-----+-----+-----+-----+-----+

TGAATGGTAAAGTTTGGATGCGCACCGGTGATATTCTGGCAAAAGATGAAGAAGGCTTCT
 ||
 TGAATGGTAAAGTTTGGATGCGCACCGGTGATATTCTGGCAAAAGATGAAGAAGGCTTCT
 1141 -----+-----+-----+-----+-----+-----+-----+

ATTATTTCCGTGGTGTTCGTAAACGTATGCTGAAATACAAAGGCTATCCGATCTTTCCGA
 ||
 ATTATTTCCGTGGTGTTCGTAAACGTATGCTGAAATACAAAGGCTATCCGATCTTTCCGA
 1201 -----+-----+-----+-----+-----+-----+-----+

AAGACCTGGAAGTCTGCTGAAACATCCGTGTGTTGCCGAAGCCGAAGTTGTTGGTG
 ||
 AAGACCTGGAAGTCTGCTGAAACATCCGTGTGTTGCCGAAGCCGAAGTTGTTGGTG
 1261 -----+-----+-----+-----+-----+-----+-----+

AACCGGCAGGCGAAGTTGGTCAGATTCCGGTTGCAAAAGTTAACTGAAAGAAGGTTGTA
 ||
 AACCGGCAGGCGAAGTTGGTCAGATTCCGGTTGCAAAAGTTAACTGAAAGAAGGTTGTA
 1321 -----+-----+-----+-----+-----+-----+-----+

AAGCCACACCGGAAGAAATCATGGATTTTGTGAATAAACGTGTGGCAGCCTACAAAAAAG
 ||
 AAGCCACACCGGAAGAAATCATGGATTTTGTGAATAAACGTGTGGCAGCCTACAAAAAAG
 1381 -----+-----+-----+-----+-----+-----+-----+

TGCGCAAAGTTATTATCCTGGAATAACCATGG

|||||

TGCGCAAAGTTATTATCCTGGAATAACCATGGAATTCGAAGCTTGATCCGGCTGCTAACA

1441 -----+-----+-----+-----+-----+-----+

AAGCCCG

1501 -----