

ATCGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATCCCCATCTTAGTATATTAGTTAAGT
TAGCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGTAGAATCATATAATCAATTCA

300

T7 promoter

ATAAGAAGGAGATATACATATGGCAGATCTCAATTGGATATCGGCCGGCCACGCGATCGCTGACGTCGGTACCCT
TATTCTTCCTCTATATGTATACCGTCTAGAGTTAACCTATAGCCGGCCGGTGCCTAGCGACTGCAGCCATGGGA

375

MCS-2

CGAGTCTGGTAAAGAAACCGCTGCTGCGAAATTTGAACGCCAGCACATGGACTCGTCTACTAGCGCAGCTTAATT
GCTCAGACCATTTCTTTGGCGACGACGCTTTAAACTTGCGGTCGTGTACCTGAGCAGATGATCGCGTCAATTAA

450

1 5 10 15
Lys Glu Thr Ala Ala Lys Phe Glu Arg Gln His Met Asp Ser Ser Thr Ser Ala Ala *
S-Tag (in frame with S-Tag)

MCS-2

AvrII

AACCTAGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTT
TTGGATCCGACGACGGTGGCGACTCGTTATTGATCGTATTGGGGAACCCGGAGATTTGCCCAGAACTCCCCAAA

525

MCS-2

T7 terminator

TTTGCTGAAACCTCAGGCATTTGAGAAGCACACGGTCACTGCTTCCGGTAGTCAATAAACCGGTAAACCAGCA
AAACGACTTTGGAGTCCGTAAACTCTTCGTGTGCCAGTGTGACGAAGGCCATCAGTTATTTGGCCATTTGGTCGT

600

T7 terminator