



T7 promoter
lac operator
rbs
Nde I
His tag

--- T AAT ACG ACT CAC TAT AGG GGA ATT GTG AGC GGA TAA CAA TTC CCC TCT AGA AAT AAT TTT GTT TAA CTT TAA GAA GGA GAT ATA CAT ATG TCT GGT TCT CAT CAT CAT
M S G S H H H

His tag
GST tag
Bgl II
Kpn I

CAT CAT CAT AGC AGC GGT ATG TCC CCT ATA ... 621bp ... GGT GGC GAC CAT CCT CCA AAA TCG GAT CTG GGC CAC ACA GGC CAT AGA TCT GGT ACC GAC GAC GAC GAC AAG
 H H H S S G M S P I ... 207aa ... G G D H P P K S D L G H T G H R S G T D D D D K

Nco I
EcoR V
BamH I
EcoR I
Sac I
Sal I
Hind III
Not I
Xho I
His tag
enterokinase site

GCC ATG GCT GAT ATC GGA TCC GAA TTC GAG CTC GTC GAC AAG CTT GCG GCC GCA CTC GAG CAC CAC CAC CAC CAC TGA GAT CCG GCT GCT AAC AAA GCC CGA AAG
 A M A D I G S E F E L V D K L A A A L E H H H H H H Stop

T7 terminator

GAA GCT GAG TTG GCT GCT GCC ACC GCT GAG CAA TAA CTA GCA TAA CCC CTT GGG GCC TCT AAA CGG GTC TTG AGG GGT TTT TTG ---