



--- A GAT CGA TCT CGA TCC CGC GAA ATT AAT ACG ACT CAC TAT AGG T7 promoter GGA ATT GTG AGC GGA TAA CAA TTC CCC TCT AGA AAT AAT TTT GTT TAA CTT TAA GAA GGA GAT lac operator Xba I rbs

Nde I His tag S tag

ATA CAT ATG CAC CAT CAT CAT CAT CAT TCT TCT GGT CTG GTG CCA CGC GGT TCT GGT ATG AAA GAA ACC GCT GCT GCT AAA TTC GAA CGC CAG CAC ATG GAC AGC CCA
M H H H H H H S S G thrombin site L V P R G S G M K E T A A A K F E R Q H M D S P

Bgl II Kpn I Nco I EcoR V BamH I EcoR I Sac I Sal I Hind III Not I Xho I His tag

GAT CTG GGT ACC GAC GAC GAC GAC AAG GCC ATG GCT GAT ATC GGA TCC GAA TTC GAG CTC CGT CGA CAA GCT TGC GGC CGC ACT CGA GCA CCA CCA CCA CCA CCA CTG
D L G T D D D D K A M A D I G S E F E L R R Q A C G R T R A P P P P P L

Bsp I T7 terminator

AGA TCC GGC TGC TAA CAA AGC CC GAA AGG AAG CTG AGT TGG CTG CTG CCA CCG CTG AGC AAT AAC TAG CAT AAC CCC TTG GGG CCT CTA AAC GGG TCT TGA GGG GTT TTT TG ---
R S G C Stop