Vector information
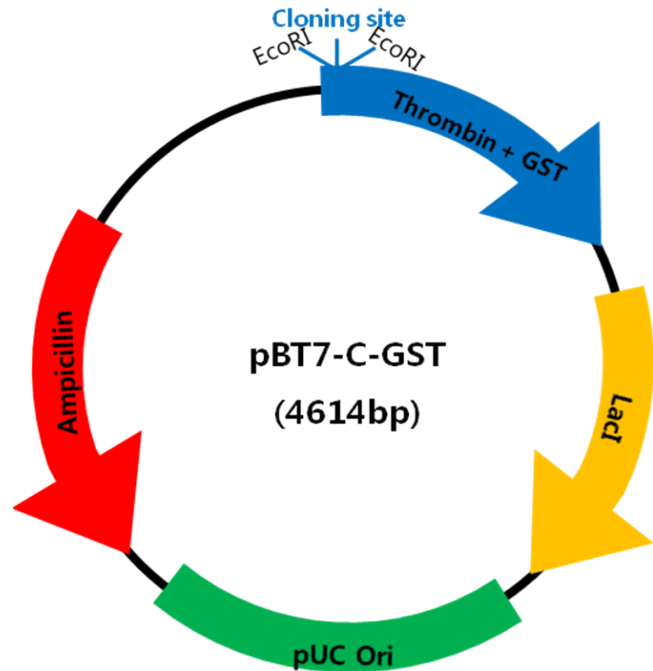

pBT7-C-GST vector spec

* pUC origin : 132bp ~ 799bp

* Ampicillin : 950bp ~ 1804bp

* T7 promoter : 2249bp ~ 2268bp

* RBS : 2320bp ~ 2327bp

* Thrombin : 2385bp ~ 2402bp

* GST Tag : 2403bp ~ 3059bp

* LacI : 3613bp ~ 4572bp

* Seq. primer :

T7 pro : 5'-TAATACGACTCACTATAGGG-3'

C-GST_R : 5'-TTTTCTTCAAGATATTCCAA-3'

*Cloning & Expression region

CGCGAAAT**TAATACGACTCACTATAGGG**GAATTGTGAGCGGATAACAATTCCTCTAGAAATAATTTTGTTTAACTTTAA**GAAGGAGA**
TATATA**ATG****GAATTC**AGCCAGCAAGACAGC**GAT/ATC**ACCTGTAAGTCGGAC**GAATTC****CTGGTGCCACGCGGTAGT**TCCCCTATACT
AGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACTCGACTTCTTTTGGAATATCTTGAAGAAAAATATGAAGAGCATTTGTATGA
GCGCGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTTGAGTTTCCCAATCTTCCTTATTATATTGATGGTGATGT
TAAATTAACACAGTCTATGGCCATCATACGTTATATAGCTGACAAGCACAACATGTTGGGTGGTTGTCCAAAAGAGCGTGCAGAGAT
TTCAATGCTTGAAGGAGCGGTTTTGGATATTGATACGGTGTTTCGAGAATTGCATATAGTAAAGACTTTGAAACTCTCAAAGTTGA
TTTTCTTAGCAAGCTACCTGAAATGCTGAAAATGTTCGAAGATCGTTTATGTCATAAAACATATTTAAATGGTGATCATGTAACCCA
TCCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTATACATGGACCCAATGTGCCTGGATGCGTTCCCAAAATTAGTTTGTTT
TAAAAAACGTATTGAAGCTATCCCACAAATTGATAAGTACTTGAAATCCAGCAAGTATATAGCATGGCCTTTGCAGGGCTGGCAAGC
CACGTTTGGTGGTGGCGACCATCCTCCAAAATCGGATT**TGA**CCGCTGAG

*Restriction enzyme that cut the pBT7-C-GST vector between 0 and 3 times

# of sites	Enzyme
0	AarI, AatII, AbsI, AccI, AflII, AgeI, AjuI, AlfI, AloI, ArsI, AscI, AvaI, AvrII, BaeI, BamHI, BarI, BbvCI, BplI, Bpu10I, BsaAI, BseRI, BsmI, Bsp1407I, BspMI, BtrI, CspCI, DraIII, FalI, FseI, FspAI, KpnI, MauBI, MfeI, NcoI, NdeI, NheI, NotI, NruI, OliI, PacI, PasI, PfoI, PmaCI, PmeI, PshAI, PsiI, PI-PspI, PspXI, PsrI, PstI, RsrII, SacI, SacII, SalI, SanDI, PI-SceI, SexAI, SfiI, SgfI, SgrDI, SmaI, SnaBI, SpeI, SrfI, Sse8387I, StuI, Tth111I, XhoI, XmaI
1	AlwNI, ApaI, AsuII, BalI, BglI, BglII, BsePI, BstEII, ClaI, DrdI, Eam1105I, Eco31I, Eco47III, EcoRV, Esp3I, HaeIV, HindII, HindIII, HpaI, MluI, NaeI, PflMI, PpuMI, PvuI, SphI, SspI, StyI, SwaI, XbaI
2	BclI, BdaI, BsaBI, BsaXI, Eco57I, EcoNI, EcoRI, PvuII, SapI, ScaI, SgrAI, TatI, TspGWI, XmnI
3	AclI, AflIII, ApaLI, ApoI, BciVI, BseYI, BsgI, BstXI, BtgZI, GsuI, MmeI, NmeAIII, NspI, TfiI, TsoI, XcmI