

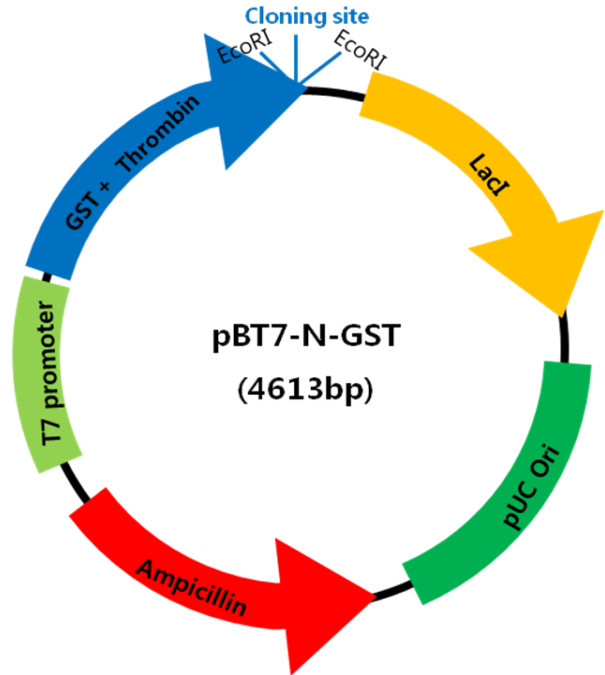
Vector information

pBT7-N-GST vector spec

- * pUC origin : 132bp ~ 799bp
- * Ampicillin : 950bp ~ 1804bp
- * **T7 promoter** : 2249bp ~ 2268bp
- * **RBS** : 2320bp ~ 2327bp
- * **GST Tag** : 2337bp ~ 2993bp
- * **Thrombin** : 2994bp ~ 3011bp
- * **LacI** : 3613bp ~ 4572bp
- * Seq. primer :

N-GST_F : 5'-TATACATGGACCCAATGTGCCT-3'

N-GST_R : 5'-TGAAATCTAACAATGCGCTCAT-3'



*Cloning & Expression region

CCGCGAAAT**TAATACGACTCACTATAGGG**GAATTGTGAGCGGATAACAATTTCCTCTAGAAATAATTTGTTTAACTTTAA**GAAGGAG**
ATATATA**ATG**TCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCACTCGACTTCTTTTGGAAATATCTTGAAGAAA
ATATGAAGAGCATTTGTATGAGCGGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTGGAGTTTCCCAATCTTCC
TTATTATATTGATGGTGATGTTAAATTAACACAGTCTATGGCCATCATACGTTATATAGCTGACAAGCACAAACATGTTGGGTGGTTG
TCCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTGGATATTAGATACGGTGTTCGAGAATTGCATATAGTAAAGA
CTTTGAAACTCTCAAAGTTGATTTTCTTAGCAAGCTACCTGAAATGCTGAAAATGTTTCGAAGATCGTTTATGTCATAAAACATATTT
AAATGGTGATCATGTAACCCATCCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTATACATGGACCCAATGTGCCTGGATGC
GTTCCAAAATTAGTTTGTTTTAAAAAACGTATTGAAGCTATCCACAAAATTGATAAGTACTTGAAATCCAGCAAGTATATAGCATG
GCCTTTCAGGGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCCAAAATCGGAT**CTGGTGCCACGCGGTAGTGAATTC**AGCCA
GCAAGACAGC**GAT**/**ATC**ACCTGTAAGTCGGACT**CGA****GAATTC**CCGCAGAG

*Restriction enzyme that cut the pBT7-N-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, BpI, 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, PpuMI, 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, BclI, BglI, BglII, BsePI, BstEII, ClaI, DrdI, Eam1105I, Eco31I, Eco47III, EcoRV, Esp3I, HaeIV, HindII, HindIII, HpaI, MluI, NaeI, NcoI, PfiMI, PvuI, SsapI, SphI, SspI, StyI, SwaI, XbaI
2	BdaI, BsaBI, BsaXI, Eco57I, EcoNI, EcoRI, PvuII, SapI, ScaI, SgrAI, TatI, TspGWI, XmnI
3	AclI, AflIII, ApaLI, ApoI, BciVI, BsgI, BstXI, BtgZI, GsuI, NmeI, NmeAIII, NspI, TfiI, TsoI, XcmI