

New

AccuRapid™ TA Cloning Kit

AccuRapid™ TA Cloning Kit can clone PCR products into T-vectors. The PCR products are amplified with *Taq* DNA polymerase to add d(A)-tailing, which can be ligated to T-overhangs of the linearized T-vectors.

• **Fast**

Takes only 15-minutes to clone insert DNAs with various sizes.

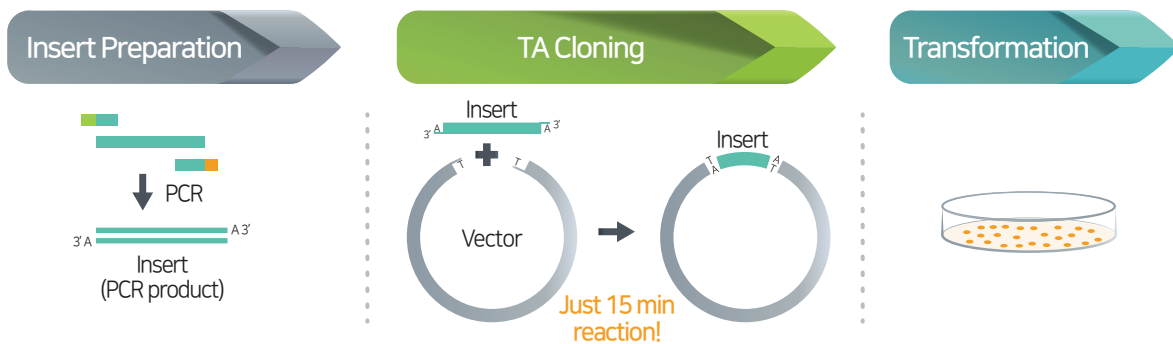
• **Accurate**

Secures numerous true white colonies with the kit's high cloning efficiency

• **Convenient**

- Excises inserts easily using *Bam*HI poly-linker
- Can undergo sequencing easily using the M13 primer sites

How AccuRapid™ TA Cloning Kit Works?



TA cloning is efficient for cloning PCR products amplified with *Taq* DNA polymerase, which adds 3' dA-tails on both sides of the DNA fragment. This kit can use the PCR products and primers directly without any modifications or restriction enzymes.

Experimental Data



Figure 1. Comparison of clones harboring correct insert after TA cloning between AccuRapid™ TA Cloning Kit and other supplier's TA Cloning Kit. The AccuRapid™ TA Cloning system gave a high number of recombinants clone across a broad range of insert sizes (500bp – 2,000bp).

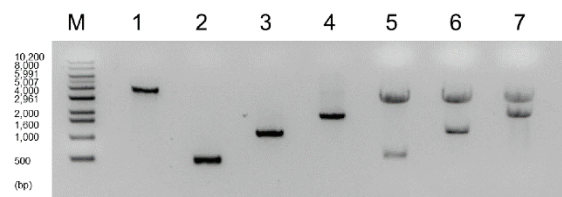


Figure 2. The restriction enzyme digestion of recombinant plasmids which obtained by AccuRapid™ TA Cloning Kit.
 M: 1 kb DNA ladder
 1 : pBHA-T vector, 2 : Insert 1 (500 bp), 3 : Insert 2 (1,000 bp)
 4 : Insert 3 (2,000 bp), 5 : Digested with *Bam*HI (pBHA-T harboring Insert 1)
 6 : Digested with *Bam*HI (pBHA-T harboring Insert 2)
 7 : Digested with *Bam*HI (pBHA-T harboring Insert 3)
 The AccuRapid™ TA Cloning Kit provides a versatile polylinker with flanking *Bam*HI sites for easy excision of inserts.

The high efficiency of the kit is capable of cloning long inserts over 2kb.
 You can get numerous white true colonies using our AccuRapid™ TA Cloning Kit.

Cat. No.	Product Description	Price
K-7170	AccuRapid™ TA Cloning Kit	\$180.00