



Advantage of *pEASY*[®] vectors

- Fast: 5 minutes at room temperature.
- Simple: only add PCR products.
- High efficiency: up to 90% clones with correct insert.

Feature and application of *pEASY*[®] cloning vectors (MCS=multi-cloning site)

Name	Amp ⁺	Kan ⁺	<i>In vitro</i> transcription	Sequencing primer	Characteristics	Application
<i>pEASY</i> [®] -T1	+	+	T7 Promoter	M13 Forward Primer; M13 Reverse Primer; T7 Promoter	Dual resistance, MCS	TA cloning
<i>pEASY</i> [®] -Blunt	+	+	T7 Promoter	M13 Forward Primer; M13 Reverse Primer; T7 Promoter	Dual resistance, MCS	Blunt cloning
<i>pEASY</i> [®] -T1 Simple	+	+	T7 Promoter	M13 Forward Primer; SR Primer	Dual resistance, No MCS	TA cloning
<i>pEASY</i> [®] -Blunt Simple	+	+	T7 Promoter	M13 Forward Primer; SR Primer	Dual resistance, No MCS	Blunt cloning
<i>pEASY</i> [®] -T3	+	-	T7/SP6 Promoter	M13 Forward Primer; M13 Reverse Primer; T7 Promoter; SP6 Promoter	Dual <i>EcoR</i> I, Dual <i>Not</i> I restriction enzyme cut sites	TA cloning
<i>pEASY</i> [®] -Blunt3	+	-	T7/SP6 Promoter	M13 Forward Primer; M13 Reverse Primer; T7 Promoter; SP6 Promoter	Dual <i>EcoR</i> I, Dual <i>Not</i> I restriction enzyme cut sites	Blunt cloning
<i>pEASY</i> [®] -T5 Zero	+	+	T3/T7 Promoter	M13 Forward Primer; M13 Reverse Primer	Dual resistance, Zero background	TA cloning
<i>pEASY</i> [®] -Blunt Zero	+	+	T3/T7 Promoter	M13 Forward Primer; M13 Reverse Primer	Dual resistance, Zero background	Blunt cloning

General notes for cloning using *pEASY*[®] vectors

- Do not add 5' phosphates to the PCR primers. PCR products with 5' phosphates will not be cloned into *pEASY*[®] vector.
- Choose the right PCR enzymes for TA cloning or blunt cloning.
- To clone diluted PCR products, increase the amount of PCR products or concentrate the PCR products.
- To clone PCR products with multi-bands, gel purify the products before cloning.
- Cloning reaction time cannot be more than 30 minutes.