

Twist Vectors

CLONAL GENES SPECIFICATIONS

Product

Synthetic DNA cloned into a Twist Cloning or Expression Vector

Insert Size

0.3 – 3.2 kb

Quality Control

100% NGS-verified perfect clonal genes

Turnaround Time

20 business days

Order Size

Minimum 5 genes

Cloning Fee

\$25 per cloning vector

\$50 per expression vector

Key Benefits

· **Faster Turnaround Time**

Streamlined ordering reducing delivery time

· **Diverse Selection**

Select the right vector for your specific cloning and protein expression needs

· **Simple Online Ordering**

Easy-to-use online purchasing portal allows vector selection for clonal genes

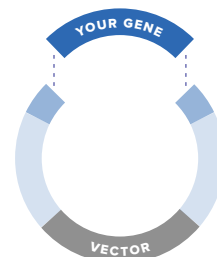
Twist Bioscience synthesizes high-quality, NGS-verified custom genes at a cost and scale that are otherwise unavailable. For researchers wanting to replicate their synthetic genes or use them in expression studies, Twist provides the option of delivery in a diverse selection of cloning and expression vectors through a convenient online ordering platform.



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Convenient ordering of cloned genes into a diverse selection of vectors

1. Upload the gene sequence to Twist's Online Ordering Platform
2. The gene is synthesized utilizing Twist's proprietary, highly-scalable technology
3. The synthetic gene is then cloned into your desired Twist Cloning or Expression Vector and shipped to your lab



Expression Vectors⁺

for Mammalian Expression

pTwist CMV

Size
4,304 bp

Promoter
CMV

Copy Number
High

Insertion Points
HindIII_BamHI
NotI_BamHI
NotI_NheI
HindIII_NheI
EcoRI_BamHI
EcoRI_NheI

pTwist CMV BetaGlobin

Size
4,893 bp

Promoter
CMV

Copy Number
High

Insertion Points
NotI_NheI
EcoRI_NheI
NotI_XbaI
EcoRI_XbaI
XhoI_XbaI
XhoI_NheI

pTwist CMV BetaGlobin WPRE Neo

Size
6,737 bp

Promoter
CMV

Copy Number
Extremely High

Insertion Points
NotI_XbaI
NotI_ClaI
EcoRI_ClaI
XhoI_ClaI
EcoRI_XbaI
XhoI_XbaI

pTwist CMV OriP

Size
5,043 bp

Promoter
CMV

Copy Number
High

Insertion Points
HindIII_BamHI
NotI_BamHI
EcoRI_BamHI
NotI_NheI
HindIII_NheI
EcoRI_NheI

pTwist CMV Hygro

Size
6,633 bp

Promoter
CMV, UbC

Copy Number
High

Insertion Points
NotI_XbaI
NotI_NheI
NotI_BamHI
HindIII_BamHI
HindIII_NheI
EcoRI_BamHI
EcoRI_NheI

pTwist CMV Puro

Size
6,204 bp

Promoter
CMV, UbC

Copy Number
High

Insertion Points
NotI_NheI
NotI_BamHI
HindIII_BamHI
HindIII_NheI
EcoRI_BamHI
EcoRI_NheI

pTwist EF1 Alpha

Size
4,924 bp

Promoter
EF1 Alpha

Copy Number
Medium

Insertion Points
NotI_NheI
NotI_BamHI
HindIII_BamHI
HindIII_NheI
EcoRI_BamHI
EcoRI_NheI

pTwist EF1 Alpha Puro

Size
6,831 bp

Promoter
EF1 Alpha

Copy Number
Medium

Insertion Points
NotI_NheI
NotI_BamHI
HindIII_BamHI
HindIII_NheI
EcoRI_BamHI
EcoRI_NheI





Cloning Vectors

pTwist ENTR

Size
2,365 bp

Cloning System
Gateway® Cloning System*

Resistance
Kanamycin

Copy Number
High

Origin
pMB1

pTwist ENTR Kozak

Size
2,421 bp

Cloning System
Gateway® Cloning System*

Resistance
Kanamycin

Copy Number
High

Origin
pMB1

pTwist Amp High Copy

Size
2,221 bp

Resistance
Ampicillin

Copy Number
High

Origin
pMB1

pTwist Amp Medium Copy

Size
2,161 bp

Resistance
Ampicillin

Copy Number
Medium

Origin
p15A

pTwist Chlor High Copy

Size
2,013 bp

Resistance
Chloramphenicol

Copy Number
High

Origin
pMB1

pTwist Chlor Medium Copy

Size
1,953 bp

Resistance
Chloramphenicol

Copy Number
Medium

Origin
p15A

pTwist Kan High Copy

Size
2,165 bp

Resistance
Kanamycin

Copy Number
High

Origin
pMB1

pTwist Kan Medium Copy

Size
2,105 bp

Resistance
Kanamycin

Copy Number
Medium

Origin
p15A

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