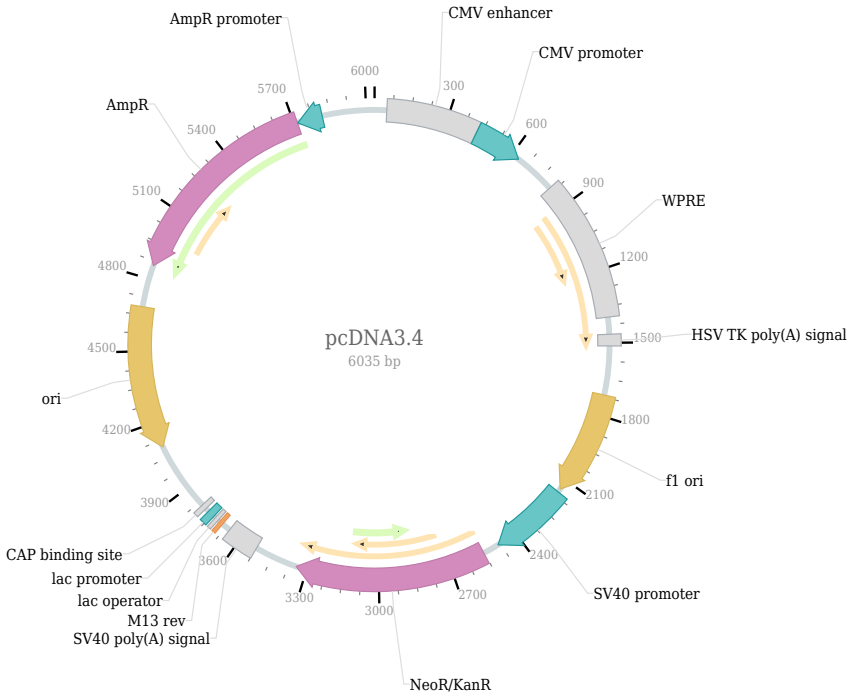
pcDNA3.4

Vector ID	V001453
Antibiotic Resistance	Ampicillin
Length	6035 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Thermo Fisher Scientific
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pcDNA3.4 circular vector is a constitutive mammalian expression vector designed to deliver exceptionally high levels of transgene expression. It can be used in suspension-adapted cells, such as Expi293F™, FreeStyle 293-F, and FreeStyle CHO-S cells, for transient protein expression. The vector can also be used as a Geneticin®-selectable expression plasmid for engineering stable cell lines. The enhanced, full-length CMV promoter and other expression elements typically enable higher expression levels than pcDNA 3.1-, 3.2-, and 3.3-based expression constructs.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.