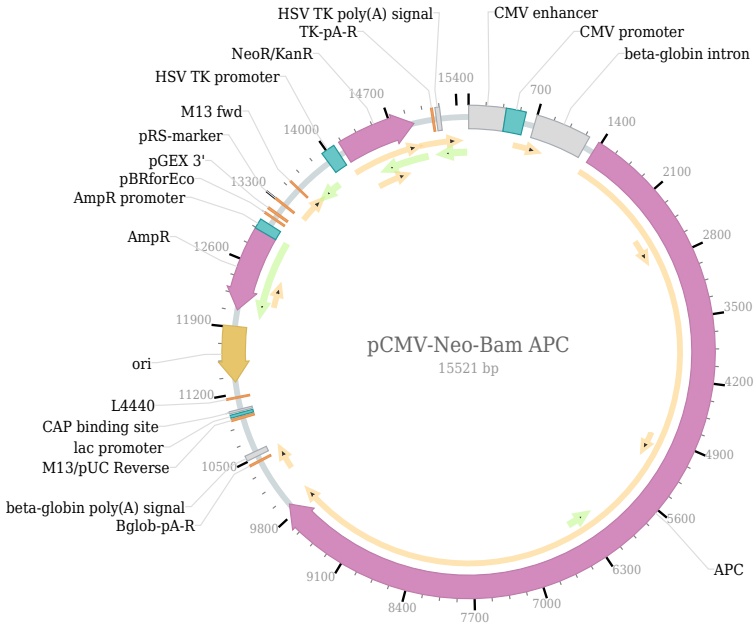
pCMV-Neo-Bam APC

载体编号 Vector ID	V006653
抗性 Antibiotic Resistance	Ampicillin
长度 Length	15521 bp
载体类型 Vector Type	Mammalian Expression

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neomycin (select with G418)
拷贝数 Copy Number	Low Copy
启动子 Promoter	CMV
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	Bglob-intron-F
3' 引物 3' Primer	Bglob-pA-R (5'-ttttggcagagggaaaaaga-3')
备注 Comment	pCMV-Neo-Bam APC is a mammalian expression plasmid carrying full-length wild-type human APC cDNA under the CMV promoter. It bears a neomycin resistance cassette for G418 selection of stable cell lines and an ampicillin marker for bacterial amplification. Developed by Vogelstein's lab, it was used in the landmark 1997 Science study to restore APC function in colon cancer cells with defective endogenous APC. Researchers apply this vector to assay β-catenin/Tcf-mediated Wnt transcriptional repression and compare against truncated APC mutant constructs sharing the same backbone.

质粒图谱



复溶方法

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 ℃.