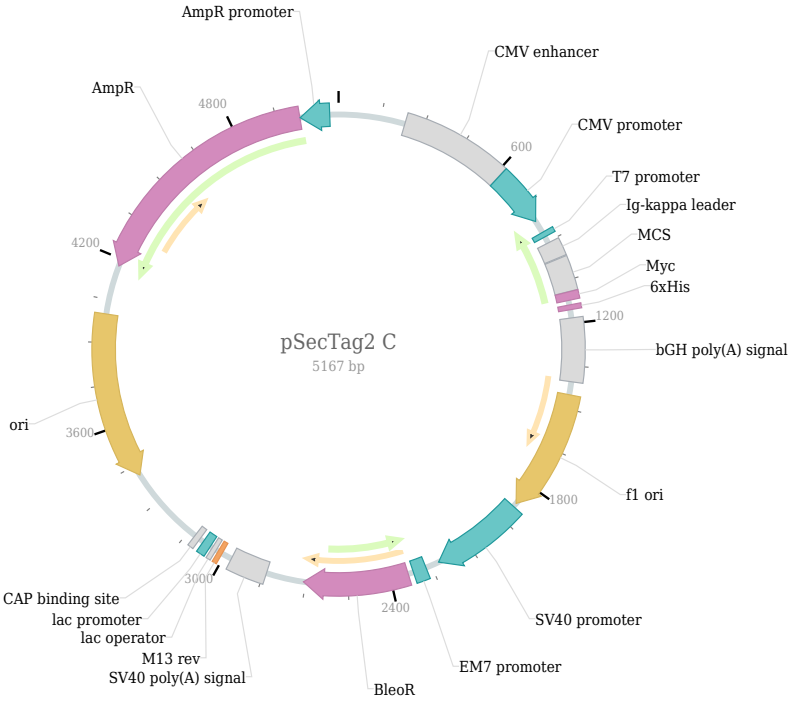
pSecTag2 C

Vector ID	V011082
Antibiotic Resistance	Ampicillin
Length	5167 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Growth Temperature	37℃
Comment	pSecTag2 C is a mammalian expression vector designed for secreted expression of recombinant proteins. It features a CMV promoter for high-level expression and a mouse Ig kappa-chain secretion signal. The vector includes C-terminal c-myc and 6xHis tags for detection and purification. Its multiple cloning site is in a specific reading frame to ensure proper fusion with the secretion signal. Selection in mammalian cells is achieved with Zeocin resistance. The vector is approximately 5.2 kb in size.

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 ℃.