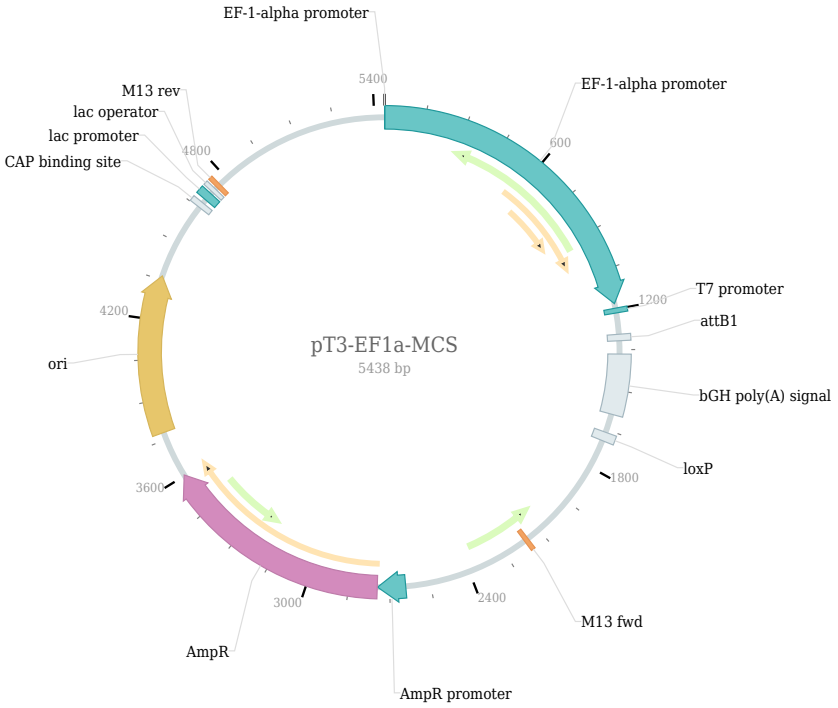
pT3-EF1a-MCS

Vector ID	V013249
Antibiotic Resistance	Ampicillin
Length	5438 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	EF-1α
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pT3-EF1a-MCS is a mammalian expression plasmid featuring the strong constitutive EF1a promoter upstream of a multiple cloning site (MCS). It contains an ampicillin resistance gene for bacterial selection and a Neomycin/G418 resistance marker for mammalian cells, facilitating recombinant protein expression.

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 ℃.