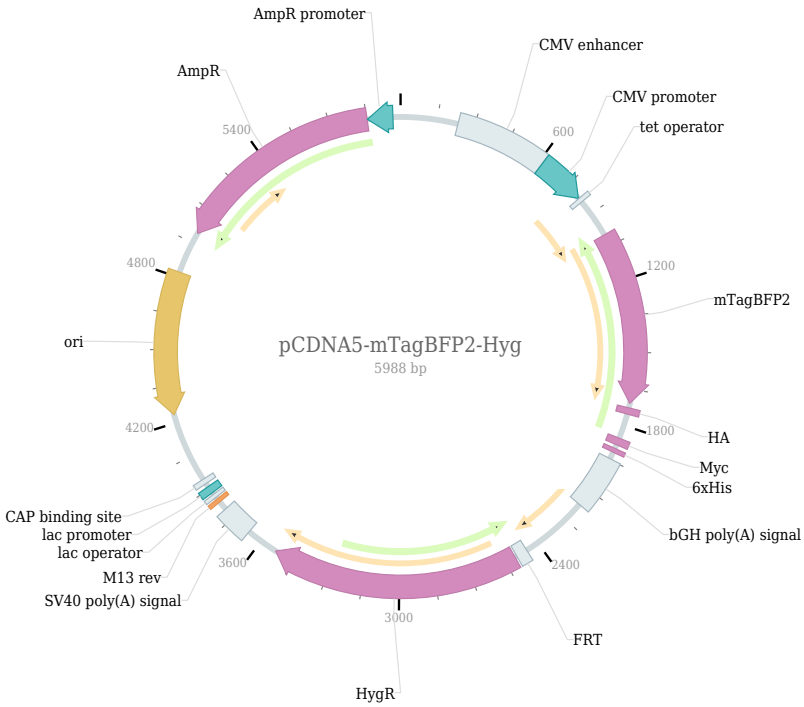
pCDNA5-mTagBFP2-Hyg

Vector ID	V015114
Antibiotic Resistance	Ampicillin
Length	5988 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	CMV
5' Primer	CMV-F
Growth Temperature	37℃
Comment	pCDNA5-mTagBFP2-Hyg (6.0kb) is a mammalian expression vector for inducible blue fluorescent protein production. It features a CMV promoter with a tet operator (Tet-On system) driving mTagBFP2, a bright blue fluorophore. The C-terminal fusion includes HA, Myc, and 6xHis tags for detection and purification. The vector also carries HygR (hygromycin resistance) for stable selection, an FRT site for Flp-mediated integration, plus AmpR, SV40 poly(A), and bGH poly(A) signals.

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 ℃.