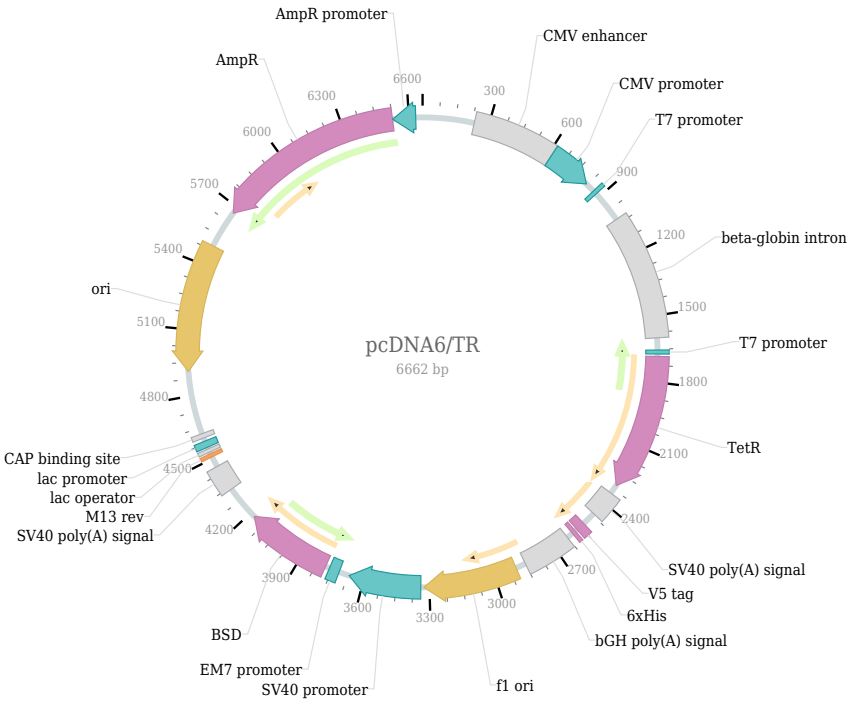
pcDNA6/TR

Vector ID	V006644
Antibiotic Resistance	Ampicillin
Length	6662 bp
Vector Type	Tetracycline Regulatory System

Product Information

Replication Origin	ori
Selection Marker	Blasticidin
Promoter	EM7
Cloning Method	Enzyme digestion and ligation
5' Primer	pCAG-F; Bglob-intron-F
3' Primer	EBV-rev; BGH-rev
Comment	The pcDNA6⁄TR vector is part of the T-REx System, which yields higher levels of induced expression than any other regulated mammalian expression system. It utilizes the complete CMV promoter and adds control elements from the bacterial tetracycline resistance operon to effectively repress and derepress transcription from one of the strongest mammalian promoter sequences known.The regulatory vector, pcDNA6⁄TR, is provided for high-level expression of the tetracycline repressor (TR) protein. This vector expresses the Blasticidin resistance gene for rapid selection of mammalian cell lines that stably express the TR protein.

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 ℃.