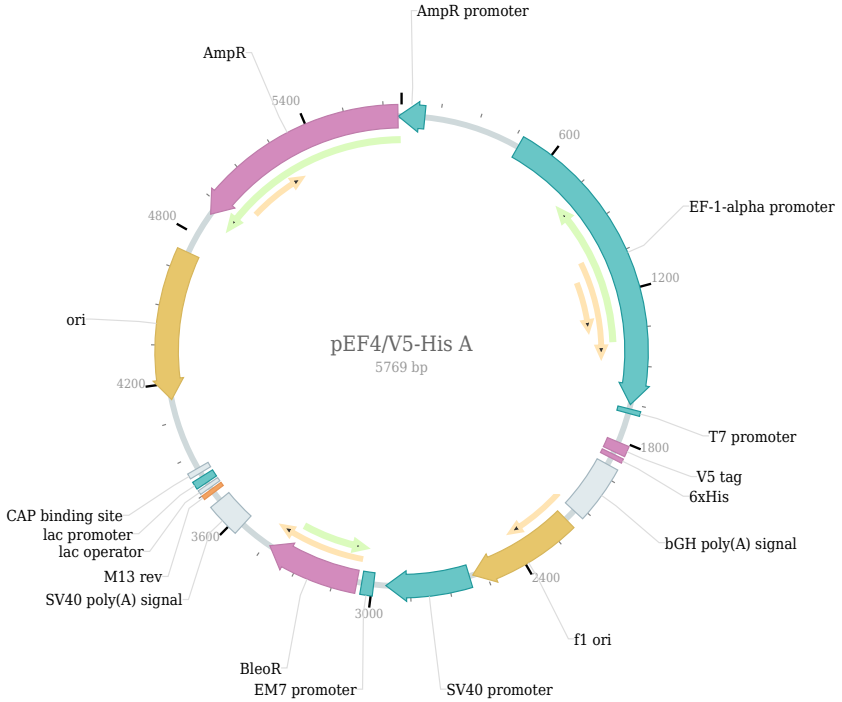
pEF4/V5-His A

Vector ID	V001788
Antibiotic Resistance	Ampicillin
Length	5769 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Selection Marker	Zeocin
Copy Number	High copy number
Promoter	EF-1α
Cloning Method	Enzyme digestion and ligation
5' Primer	T7 Fwd : 5'd[TAATACGACTCACTATAGGG]3'
Fusion Tag	6xHis, V5
Comment	pEF4/V5-His A, B, and C are 5.7 kb vectors derived from pEF1/V5-His and designed for overproduction of recombinant proteins in mammalian cell lines. Features of the vectors allow purification and detection of expressed proteins. High-level stable and transient expression can be carried out in most mammalian cells. The vectors contain thefollowing elements:The control plasmid, pEF4/V5-His/lacZ is included for use as a positive control for transfection, expression, purification, and detection in the cell line of choice.

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 ℃.