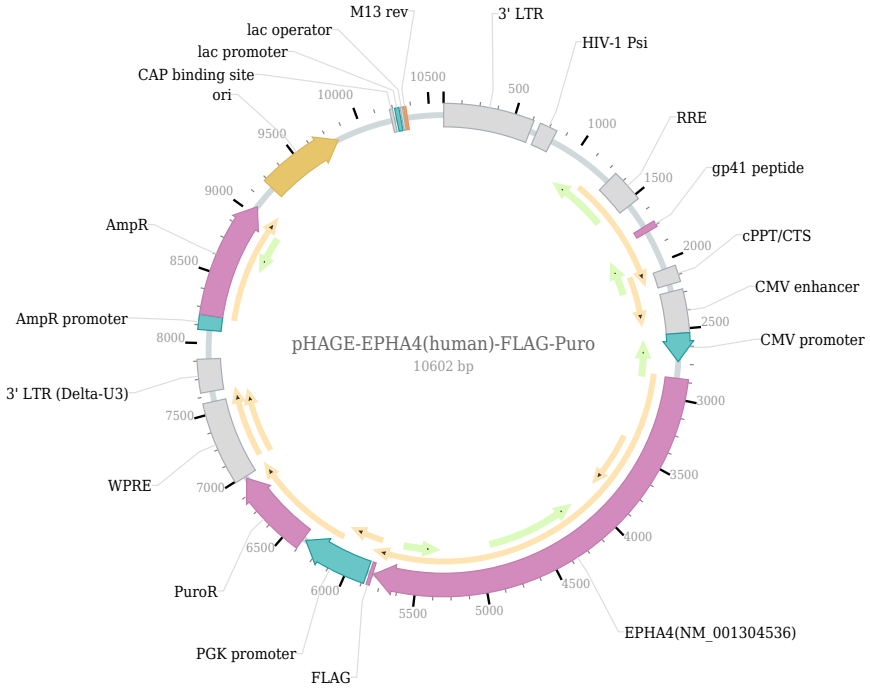
pHAGE-EPHA4(human)-FLAG-Puro

Vector ID	V039395
Accession ID	NM_001304536.2
Antibiotic Resistance	Ampicillin
Length	10602 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	FLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pHAEG-EPHA4-FLAG-Puro is a lentiviral vector driving expression of human EPHA4 (ephrin receptor A4) fused with a C-terminal FLAG tag. A CMV promoter controls EPHA4 expression, while a separate PGK promoter drives the PuroR gene for puromycin selection. Includes WPRE, LTRs (including ΔU3 for safety), and AmpR for bacterial selection.

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 ℃.