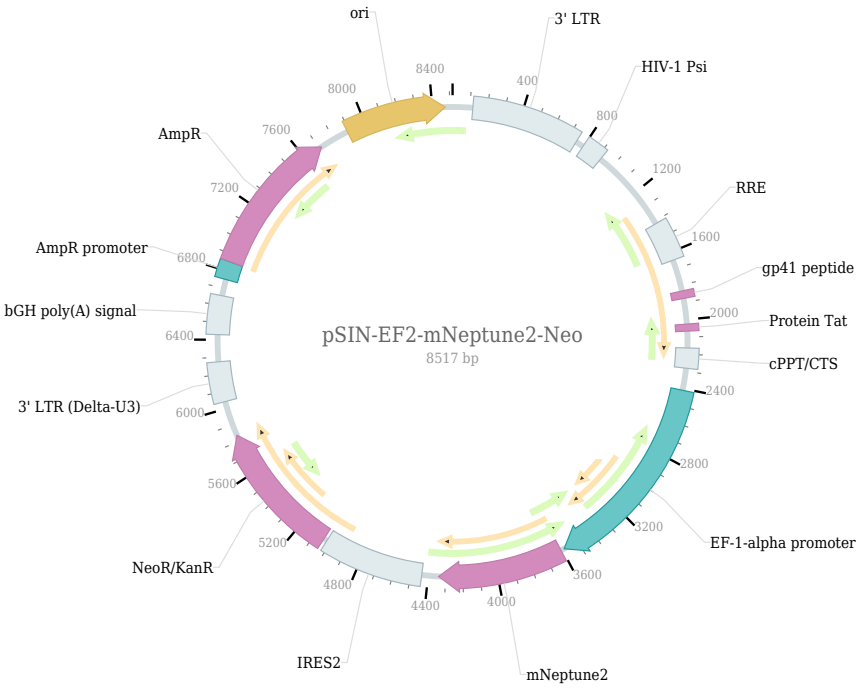
pSIN-EF2-mNeptune2-Neo

Vector ID	V014835
Antibiotic Resistance	Ampicillin
Length	8517 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	EF-1α
5' Primer	pEF-F
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pSIN-EF2-mNeptune2-Neo is a self-inactivating (SIN) lentiviral vector constitutively expressing mNeptune2, a bright red-excitable far-red fluorescent protein (ex/em ~600/650 nm; Chu et al. 2014), from the EF2 promoter with neomycin (G418) resistance. Suited to intravital deep-tissue imaging and long-term cell fate tracking.

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 ℃.