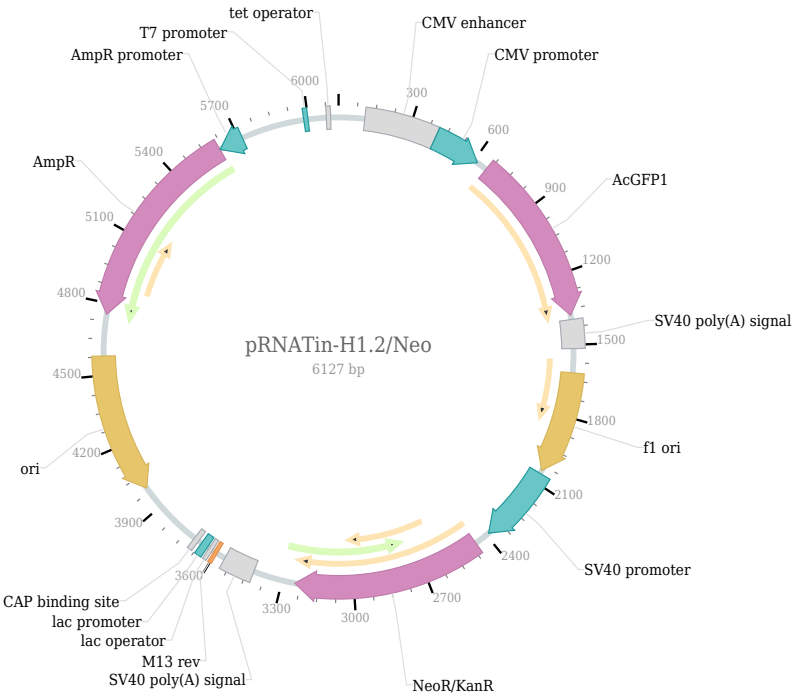
pRNATin-H1.2/Neo

Vector ID	V011285
Antibiotic Resistance	Ampicillin
Length	6127 bp
Vector Type	RNAi vectors

Product Information

Replication Origin	ori
Selection Marker	Neomycin
Promoter	H1.2
Cloning Method	Enzyme digestion and ligation
5' Primer	TAATACGACTCACTATAGGG
3' Primer	TAGAAGGCACAGTCGAGG
Fusion Tag	cGFP
Comment	pRNATin-H1.2/Neo/siFluc is a GenScript siRNA expression vector. It is designed for mammalian transfection. The GFP marker (coral GFP, cGFP) under CMV promoter control can be used to track the transfection efficiency. It uses the H1.2 promoter, an engineered inducible promoter containing a tetracycline operator (TetO1) for siRNA expression. This vector contains siRNA construct for Firefly luciferase, and can be used as a positive control. It can also be used as a siRNA vector using BamH I and Hind III for siRNA insertion.

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 ℃.