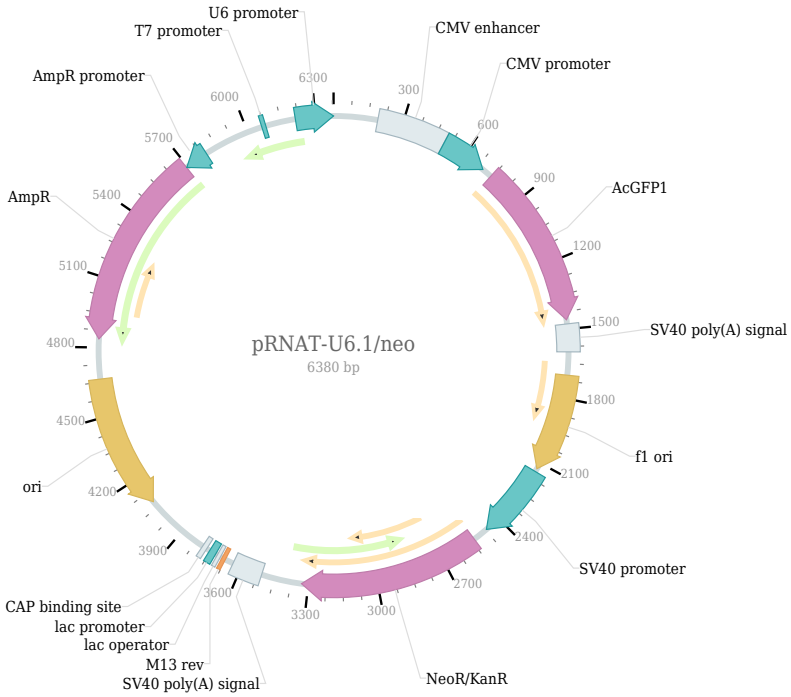
pRNAT-U6.1/neo

Vector ID	V000095
Antibiotic Resistance	Ampicillin
Length	6380 bp
Vector Type	RNAi vectors

Product Information

Replication Origin	ori
Selection Marker	Neomycin
Promoter	U6
Cloning Method	Enzyme digestion and ligation
5' Primer	pRNA-U6 Forward (TACGATACAAGGCTGTTAGAGAG)
3' Primer	pRNA Reverse (TAGAAGGCACAGTCGAGG)
Fusion Tag	cGFP
Comment	pRNAT-U6.1/Neo is designed for mammalian transfection. It carries a Neomycin resistance gene as the selectable marker, which can be used for establishing stable cell line. The GFP marker (coral GFP, cGFP) under CMV promoter control can be used to track the transfection efficiency. It uses U6 promoter for siRNA expression.

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 ℃.