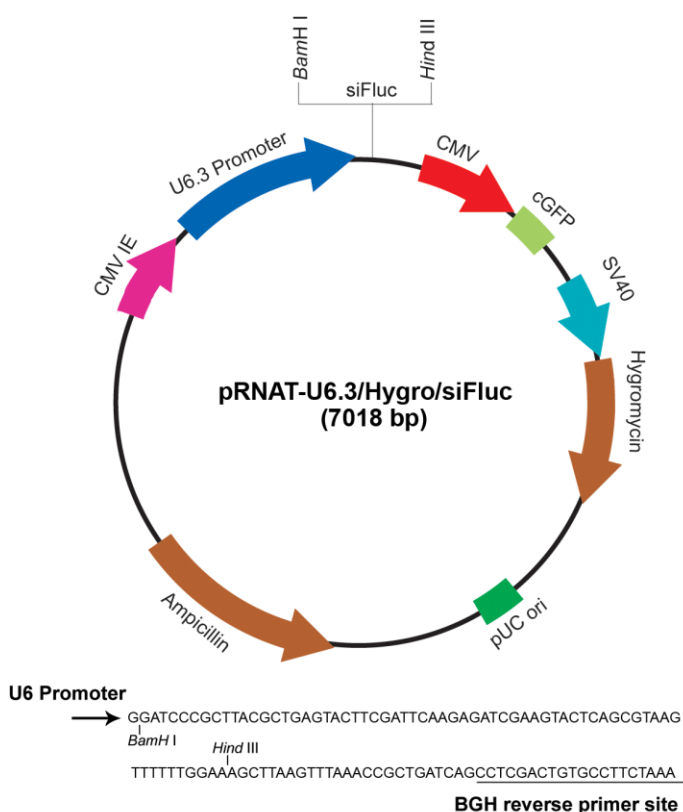


pRNAT-U6.3/Hygro/siFLuc

Cat. No. SD1565

Description: pRNAT-U6.3/Hygro/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 an enhanced U6 promoter (enhanced by a CMV enhancer just before U6 promoter) 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.



Polylinker: 824-893

CMV IE: 7-490

siFLuc: 830-887

U6 Promoter: 497-823

CMV Promoter: 932-1519

cGFP: 1536-2255

SV40 Promoter: 2944-3289

Hygromycin: 3312-4337

pUC ori: 5007-5647

Ampicillin: 5795-6655

Forward Sequencing Primer:

DA0011: pRNA-U6 Forward
(TACGATACAAGGCTGTTAGAGAG)

Reverse Sequencing Primer:

DA0012: pRNA Reverse
(TAGAAGGCACAGTCGAGG)

Reference:

Xu Gang Xia, *et al.* (2003) An enhanced U6 promoter for synthesis of short hairpin RNA. *Nucleic Acids Research*, 31, No.17 e100