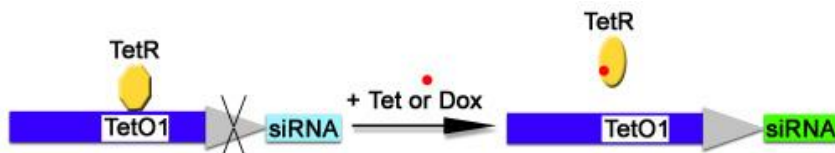


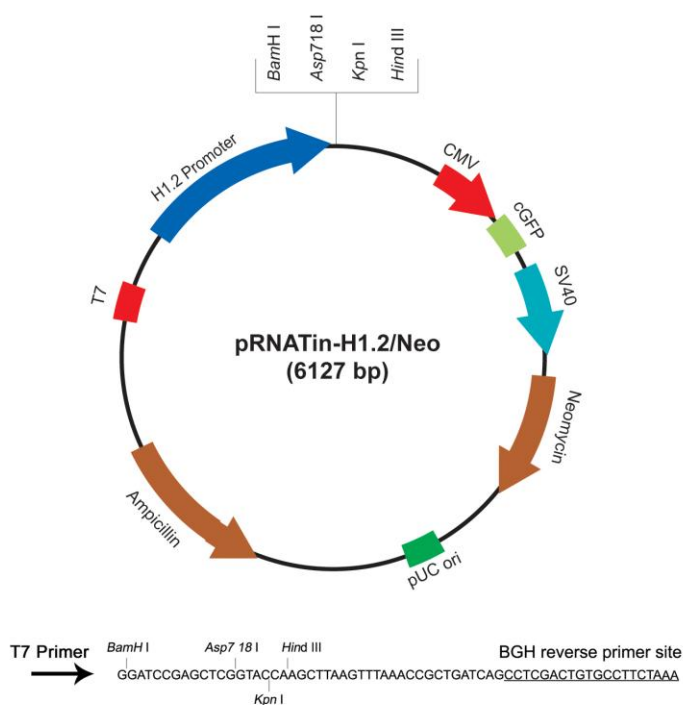
pRNATin-H1.2/Neo

Cat. No. SD1223

Description: pRNATin-H1.2/Neo is a GenScript inducible siRNA expression vector. The H1.2 promoter is an engineered inducible promoter* containing a tetracycline operator (TetO1). The Tetracycline operator itself has no effect on expression. When the tetracycline repressor (TetR) is present, it effectively binds the TetO1 and blocks the transcription. In the presence of tetracycline or doxycycline, the inducer binds TetR and causes the TetR protein to release the TetO1 site, and derepressing the transcription from the H1 promoter.



pRNATin-H1.2/Neo is designed for mammalian transfection. It carries a Neomycin resistance gene which can be used for establishing stable cell line and a GFP (coral GFP) marker under CMV promoter** control to track the transfection efficiency.



Polylinker: 6122-18

H1 Promoter: 6022-6121

CMV Promoter: 57-644

cGFP: 661-1380

SV40 Promoter: 2069-2414

Neomycin: 2455-3249

pUC ori: 3963-4603

Ampicillin: 4751-5611

Forward Sequencing Primer:

DA0013: pRNA-H1 Forward
(TAATACGACTCACTATAGGG)

Reverse Sequencing Primer:

DA0012: pRNA Reverse
(TAGAAGGCACAGTTCGAGG)

* **Limited Use Label License:** This product is covered by United States Patent Applications No. 60/505,677, owned by GenScript Corporation. The purchase of this product conveys to the buyer the limited, non-exclusive, non-transferable right (without the right to resell, repackage, or further sublicense) under these patent rights to

perform the siRNA synthesis methods claimed in the patent application for research and development purposes solely in conjunction with this product.

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