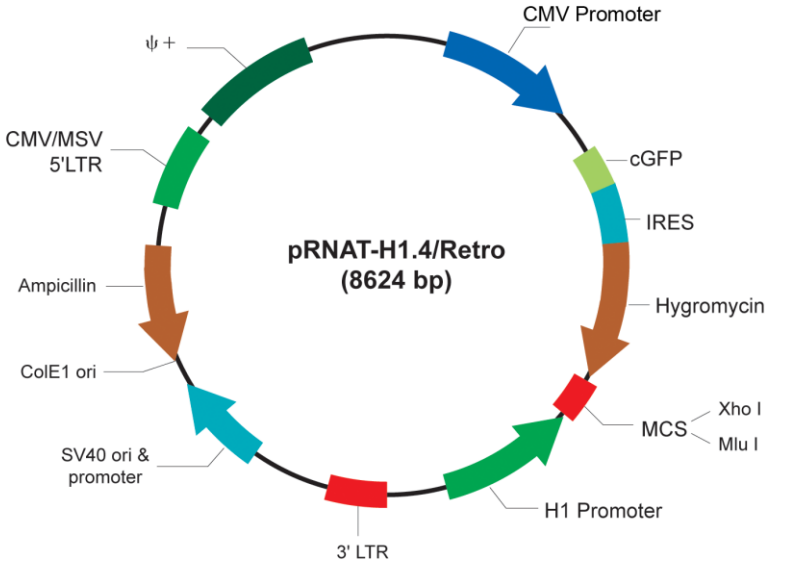
## pRNAT-H1.4/Retro

## Cat. No. SD1253

**Description:** pRNAT-H1.4/Retro siRNA expression vector is compatible with Clontech Retro-X Expression System. An H1 promoter drives the siRNA expression with the siRNA insert cloned between Mlu I and Xho I sites. The vector contains a hygromycin resistance gene under the control of cytomegalovirus (CMV) promoter* for establishing stable cell line. The vector uses CMV enhancer/promoter joined MSV 5'LTR (CMV/MSV 5'LTR) and MSV 3'LTR for viral transcription and packaging.




**Polylinker**: 5288-5311
**CMV/MSV 5' LTR**: 1-727
**Ψ+:** 757-1566
**CMV promoter**: 1604-2132
**cGFP:** 2247-2966
**IRES:** 2975-3555
**Hygromycin**: 3593-4613
**H1 promoter**: 5312-5411
**3' LTR**: 5460-5755
**SV40 ori & promoter**: 6012-6356
**ColE1 ori**: 6456-7342
**Ampicillin**: 7402-8262

**Forward Sequencing Primer**:
DA0025: SD1241 Forward
(TGTAGGTTTGGCAAGCTAGC)

**Reverse Sequencing Primer:**
DA0013: pRNA-H1 Forward
(TAATACGACTCACTATAGGG)

*** Limited Use Label License:** The use of CMV promoter is covered under U. S. Patent No. 5,168,062 and 5,385,839 owned and licensed by the University of Iowa Research Foundation and is sold for research use only. Commercial users must obtain a license to these patents directly from the University of Iowa Research Foundation (UIRF), 214 Technology Innovation Center, Iowa City, Iowa 52242. For further information, please contact the Associate Director of UIRF, at 319-335-4546.