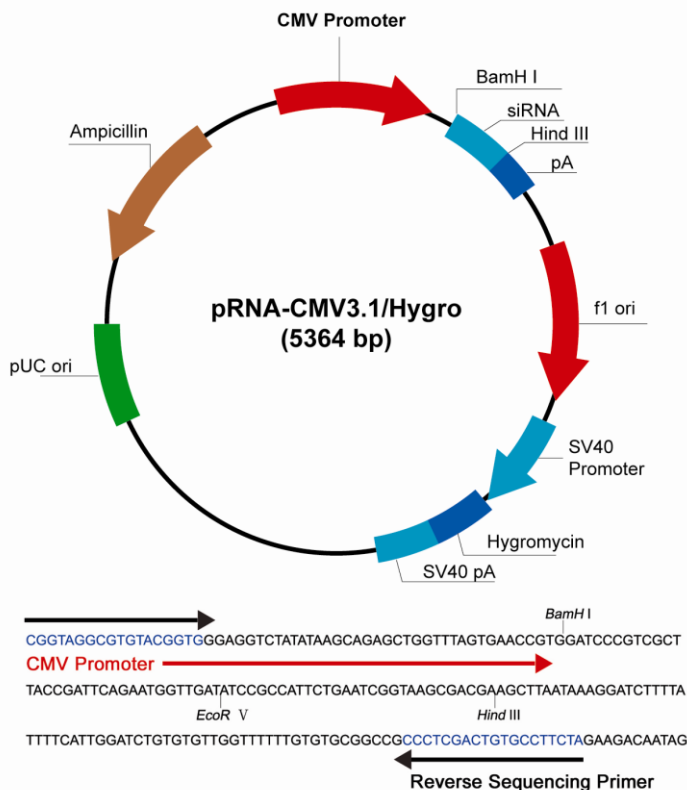


Datasheet Update: 03272009

pRNA-CMV3.1/Hygro

Cat. No. SD1232

Description: Human cytomegalovirus (CMV) promoter* is one of the strongest promoters described. Based on RNA polymerase II system, CMV promoter drives high-level constitutive expression of genes in a variety of mammalian cell lines. pRNA-CMV3.1/Hygro is a GenScript siRNA expression vector using this strong promoter to drive the expression of siRNA. pRNA-CMV3.1/Hygro is designed for mammalian transfection, it also carries a Hygromycin resistance gene driven by SV40 promoter that can be used for establishing stable cell line. siRNA cassettes can be conveniently inserted into the vectors between BamH I and Hind III sites and confirmed by DNA sequencing using GenScript Sequencing Primer DA0012.



CMV Promoter: 1-583
Polylinker: 584-651
SV40 Promoter: 1267-1612
Hygromycin: 1635-2654
pUC ori: 3330-3970
Ampicillin: 4118-4978

Forward Sequencing Primer:
[DA0023: pRNA-CMV Forward](#)
 (GTACGGTGGGAGGTCTATAT)

Reverse Sequencing Primer:
[DA0012: pRNA Reverse](#)
 (TAGAAGGCACAGTCGAGG)

* **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.