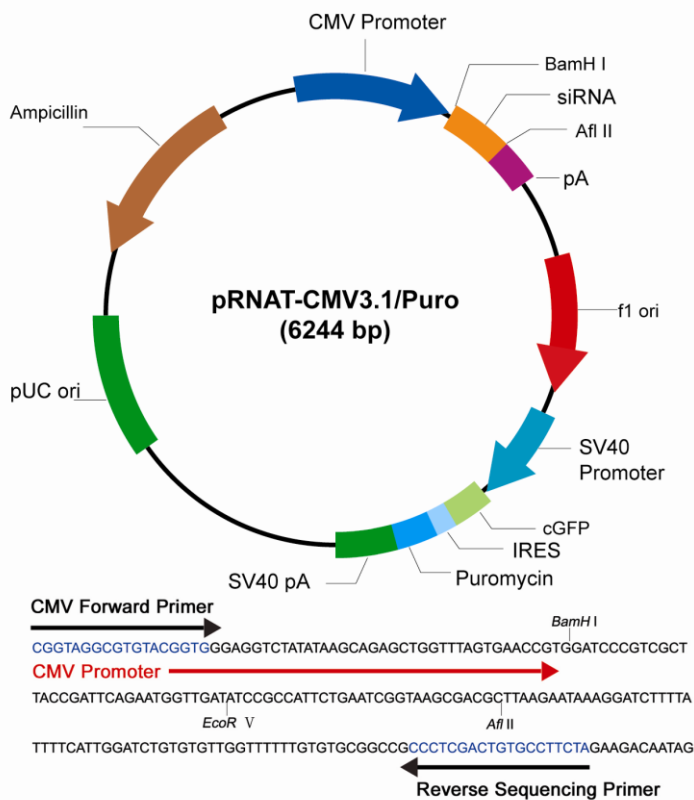


Datasheet Update: 03302009

pRNAT-CMV3.1/Puro

Cat. No. SD1263

Description: Human cytomegalovirus (CMV) promoter is one of the strongest promoters described. Based on RNA polymerase II system, CMV promoter drives higher-level constitutive expression of genes in a variety of mammalian cell lines, compared with RNA polymerase III based promoters such as U6 and H1. In this vector, CMV promoter drives the expression of siRNA, and SV40 promoter drives the expression of the resistance gene. siRNA cassettes can be easily inserted into the vectors between BamH I and Afl II sites. siRNA sequence can be confirmed by DNA sequencing using Reverse Sequencing Primer DA0012 (5'-TAGAAGGCACAGTCGAGG-3'). This vector also carries cGFP (coral GFP) for convenient tracking of transfection efficiency.



Puromycin: 2911-3510
Polylinker: 584-651
CMV Promoter: 1-583
cGFP: 1598-2317
SV40 Promoter: 1267-1598
pUC ori: 4210-4850
Ampicillin: 4998-5858

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

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