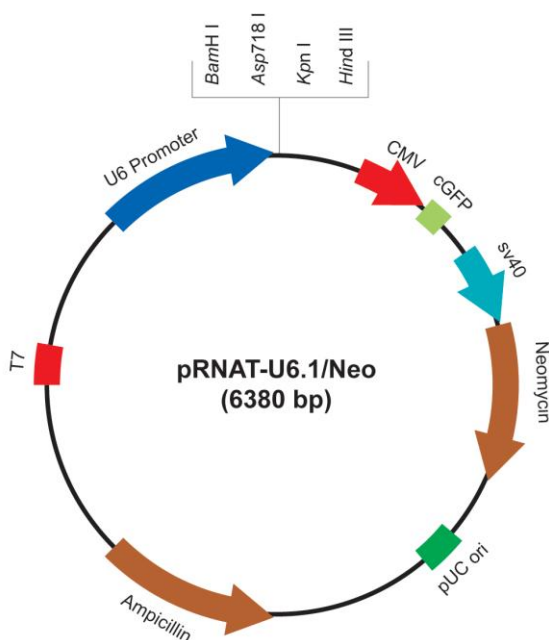


Datasheet Update: 03272009

pRNAT-U6.1/Neo

Cat. No. SD1211

Description: pRNAT-U6.1/Neo is a GenScript siRNA expression vector. It is designed for mammalian transfection. It carries a Neomycin resistance gene as the selectable marker, which can be used for establishing stable cell line. The GFP marker (coral GFP, cGFP) under CMV promoter* control can be used to track the transfection efficiency. It uses U6 promoter for siRNA expression.



Polylinker:	78-101
U6 Promoter:	6131-77
CMV Promoter:	140-727
cGFP:	745-1463
SV40 Promoter:	2152-2497
Neomycin:	2538-3332
pUC ori:	4046-4686
Ampicillin:	4834-5694

Forward Sequencing Primer:

[DA0011: pRNA-U6 Forward](#)
(TACGATACAAGGCTGTTAGAGAG)

Reverse Sequencing Primer:

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

T7 Primer \rightarrow `GGATCCGAGCTCGGTACCAAGCTTAAGTTAAACCGCTGATCAGCCTCGACTGTGCCCTCTAAA`
 BamHI Asp7 181 Hind III Kpn I BGH reverse primer site

***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.