

Datasheet for ABIN4948187 pGFP-V-RS Control Vector

Overview

Quantity:	5 µg
Fusion tag:	GFP tag
Insert:	Empty
Vector:	Retroviral Vector
Application:	Negative Control (NC), Cloning (Clon)

Product Details

Purpose:	shRNA GFP Cloning Vector (pGFP-V-RS Vector)
Vector Backbone:	pGFP-V-RS
Promoter:	U6 Promoter
Selectable Marker:	Puromycin
Bacterial Resistance:	Kanamycin
Expression Type:	Transient, Stable
Specificity:	The HuSH pGFP-V-RS plasmid vector contains both 5' and 3' LTRs of Moloney murine leukemia virus (MMLV) that flank the puromycin marker and the U6-shRNA expression cassette. Upon transient transfection of the plasmids into a packaging cell line, replication deficient viruses can be obtained and used to infect target cells. The puromycin-N-acetyl transferase gene and Kanamycin gene provide selection of antibiotics puromycin and kanamycin, respectively. There is an integrated turboGFP element driven by a CMV promoter to readily verify transfection efficiency.

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

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Handling

Format: Lyophilized

Reconstitution:

1. Briefly centrifuge for 30 seconds.
2. Carefully open the tube and add sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom.
5. Store the plasmid at -20 °C.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized plasmid can be stored at ambient temperature for three months.

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)