

Datasheet for ABIN4948186
pGFP-C-shLenti Control Vector

Overview

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

Product Details

Purpose:	shRNA GFP Lenti Cloning Vector (pGFP-C-shLenti Vector)
Vector Backbone:	pGFP-C-shLenti
Promoter:	U6 Promoter
Selectable Marker:	Puromycin
Bacterial Resistance:	Chloramphenicol
Expression Type:	Transient, Stable
Specificity:	PGFP-C-shLenti vector is a third generation Lentivector which requires the viral components carried in other vectors to produce viral particles. There are three major functional elements within the 5LTR and 3LTR: a shRNA expression cassette driven by an U6 promoter, a puromycin resistant gene driven by a SV40 promoter and a tGFP gene driven by a CMV promoter. All of them can be packaged to viral particles and transduced to many cell lines. The bacterial selection marker for the vector is Chloramphenicol.

Application Details

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

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)