For Research Use Only

PDI sh-RNA vector

Catalog Number: Hsh2806B

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Product Information

This product is a PDI sh-RNA expression plasmid constructed using the pLVX-sh-zsGreen-Puro vector plasmid. It has been verified by protein expression levels, and it is confirmed to be an effective PDI sh-RNA expression plasmid.

Plasmid message

Carrier vector	pLVX-sh-zsGreen-Puro
Plasmid type	Lentiviral expression vector; shRNA expression vector
Clone Method	Multiple clone site, restriction enzyme
Promoter	U6; PGK; CMV
5' Sequencing primers and sequences	U6: GACTATCATATGCTTACCGT
Resistance	Ampicillin
Filter labels	Puromycin zsGreen
Clone Strain	E.coli cells (RecA-)
Host cell	Mammalian cell
Remarks	pLVX-sh-zsGreen-Purolentiviral expression vector is a lentiviral vector derived from HIV, which can be used for shRNA expression and cloning, efficient cell transfection to establish stable cell lines. The U6 promoter drives high-level expression of shRNA, while the PGK and CMV promoters drive moderate-level expression of the reporter gene.
Stability	Stable expression
Formative/Inductive	Formative
Viral and non-viral	Lentivirus

Package

10 ug

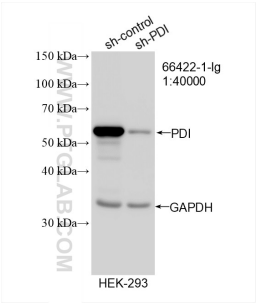
Storage

Stored at -20°C for 12 months.

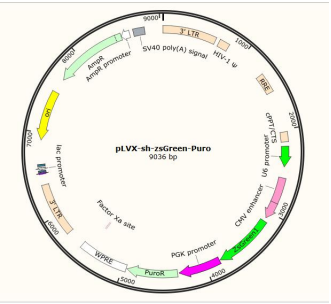
Notes

1. When handling lentiviruses, it is recommended to use a Biosafety Cabinet (BL-2 level).
2. When handling lentiviruses, wear lab coats, masks, and gloves, and avoid exposing bare hands or arms.
3. Exercise extreme caution during handling to prevent aerosolization or splashing. If the laminar flow hood becomes contaminated, immediately clean it with a 10% sodium hypochlorite solution (or a mixture of 70% ethanol and 1% SDS). All virus-contaminated items-including pipette tips, centrifuge tubes, culture plates, and culture media must be soaked in 10% sodium hypochlorite solution for at least 1 hour before disposal.
4. For centrifugation, use a properly sealed centrifuge tube.
5. After lentivirus manipulation, remove gloves and wash hands with soap and water.

Validation Data



Validation data



Carrier map