

Predesigned shRNA reagents by Dharmacon™

Temporarily silence target-gene expression for loss-of-function studies

	SMARTvector shRNA	GIPZ	TRIPZ	TRC
Create stable cell lines	X	X	X	X
Predesigned shRNA guaranteed to silence the target gene	X	X	X	
Recommended for primary and non-dividing cells	X			
Recommended for <i>in vivo</i> RNAi	X			
Inducible expression	X		X	
Promoter	Choice of promoter*	CMV Pol II	TRE min-CMV	U6 Pol III
Reporter gene options	 			
Species	  	 		 
Lentiviral vector backbone	X	X	X	X
Matching controls	X	X	X	X
Whole genome and gene family libraries available	X	X	X	X
Formats	 	  	 	

*SMARTvector promoter options include mCMV, mEF1a, hEF1a, hCMV and PGK (inducible format only). Note that some promoter options may only be available as custom products or upon request.

 GFP  RFP  Human  Mouse  Rat  Glycerol stock  Lentiviral particles  shRNA starter kit

About SMARTvector lentiviral shRNA

- Ensure maximum flexibility for vector-based RNAi experiments
- Adapt to the specific cells of interest and experimental needs
- Gain unprecedented control over gene silencing with Tet-inducible technology

Build your own shRNA screening library

Glycerol stocks can be individually selected in our [Cherry-Pick Library Tool](#) to design and order a custom shRNA screening library, with as few as 20 targets.

Promoter selection tips

Higher promoter activity = higher shRNA expression and higher knock down rates

Matching the correct promoter for a specific cell line is crucial. Use the [promoter selection plate](#) for constitutive vectors or a [non-targeting control 4-pack](#) for inducible vectors to ascertain the best option for your cell line.

For more information

To find the contact information in your country for your technology of interest, please visit us at www.horizondiscovery.com/contact-us

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