

Save time and money, use siPOOLS for RNAi screening.

## Key Benefits

- ✓ 30 siRNAs per gene
- ✓ best gene knockdown with minimal effort
- ✓ minimal off-target effect
- ✓ reliable phenotypes
- ✓ optimal gene knockdown at low nM concentration
- ✓ comprehensive selection of > 1400 RBPs
- ✓ custom plate layout available
- ✓ scientific RNAi-expert support

Contact us or our [Distributors](#) for questions and orders.

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siPOOL library  
**RNA Binding Proteins**  
RNAi Screening Results You Can Trust

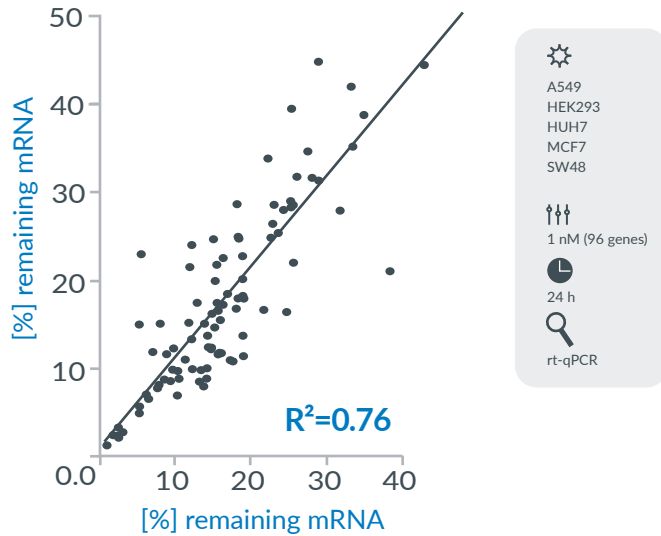
## RNA-binding Protein siPOOL library

RNA-binding proteins (RBPs) have emerged as a critical layer in the control of gene expression. As such, RBPs are moving in the focus of systems-biological research (Tuschl et al. 2014). RNA interference (RNAi) is the ideal tool for efficient, transient gene function screening.

## What are siPOOLS?

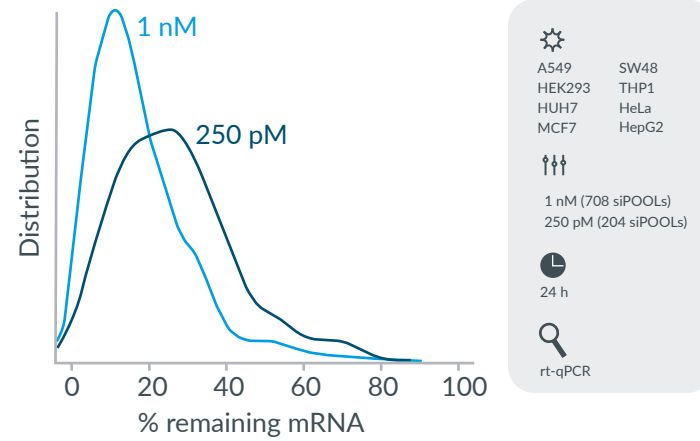
Each siPOOL is a complex pool of 30 optimally-designed siRNAs against one target minimizing off-target effects by the low concentration of each individual siRNA (Hannus et al., 2014).

## Robust Knockdown



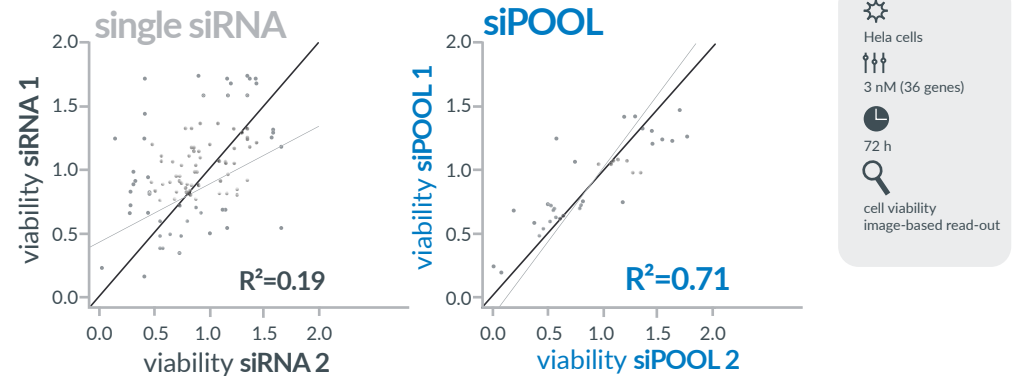
siRNA pooling gives robust KD (knockdown). Two independent siPOOLS targeting the same gene show similar KD.

## Efficient knockdown at low nano molar concentrations



siPOOLS are extremely potent gene silencers. At 1 nM most tested siPOOLS resulted in efficient KD (mean 82%). Even at subnanomolar concentrations KD with siPOOLS was efficient (mean 73%).

## Reproducible phenotypes



siPOOLS efficiently counter siRNA variability. Two siPOOLS against the same gene (36 tested) produced more reproducible phenotypes than single siRNAs.