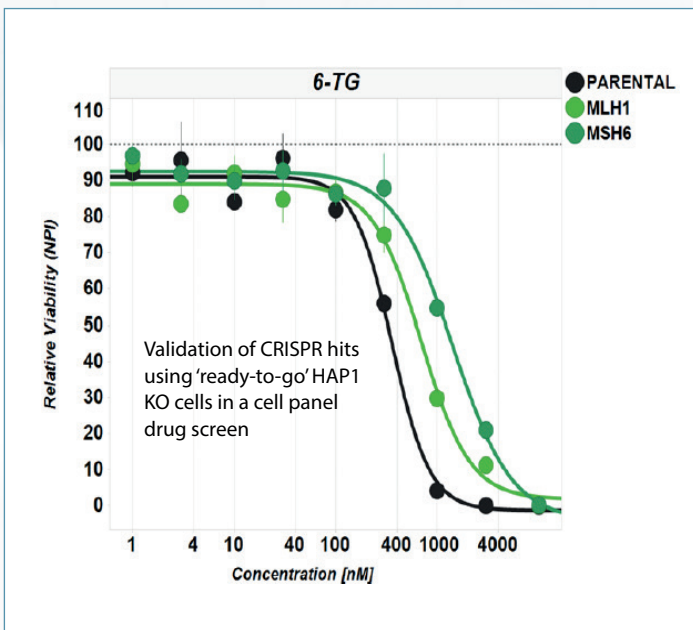


# Validate your target hits: use cell-based screening services



## Validation

A time-consuming, often challenging process

Trusted by  
Top 20  
Pharma

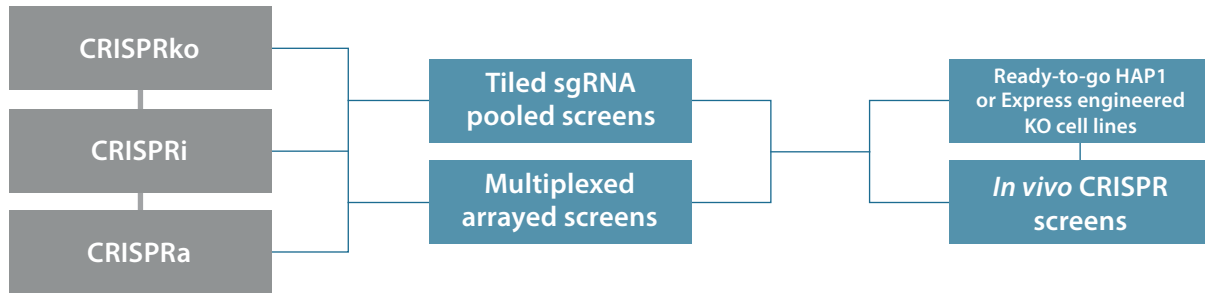
CRISPR  
and RNAi  
specialists

## Benefit from Horizon Discovery resources and proven experience

- Examine your hit list in depth with a tiled guide CRISPR screen
- Analyze hits in a functional genomics screen or a high throughput cell panel screen with compounds
- Investigate individual hits using ready-to-go knockout HAP1 cell lines

Contact your local Horizon Discovery representative to discuss your requirements.

# Validate your screening hits



**Rapidly gather in depth information about 100s of potential hits** - using pooled, tiled sgRNA libraries

## Your project team will:

- Pick guides that target each of the coding exons in your genes of interest
- Generate a tailored, pooled lentiviral guide library
- Screen the library and analyze guide performance on a gene by gene basis

## Delivering to you:

- A rich data set to help prioritize targets for additional validation
- Identification of coding regions for potential druggable targets based on log fold drop out of individual guides

**Support validation studies** - using arrayed CRISPR, RNAi and cell panel screens with a variety of endpoints

## Your project team will:

- Evaluate potential hits—using Dharmacon™ CRISPRko or RNAi Cherry Pick libraries
- Evaluate endpoints other than survival or proliferation—using FACS or imaging
- Evaluate hits for which tool compound and standard of care drugs exist, alone or in combination—running cell panel screens

## Delivering to you:

- Additional data to prioritize targets for downstream validation work, such as cDNA rescue and *in vivo* CRISPR screens

## From target identification to patient stratification

### From consultation to delivery

With more than a decade of experience in cell line engineering, Horizon Discovery excels in the application of gene editing and gene modulation. The company provides innovative tools and services to help identify genetic drivers behind disease, develop and validate diagnostic workflows, and deliver new therapies for precision medicine.



THE TEAM AT HORIZON WORKED IN A VERY COLLABORATIVE WAY, AND WE WERE ABLE TO HAVE DETAILED SCIENTIFIC AND TECHNICAL DISCUSSIONS IN REAL TIME DURING THE PROCESS.

**Client testimonial**

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