

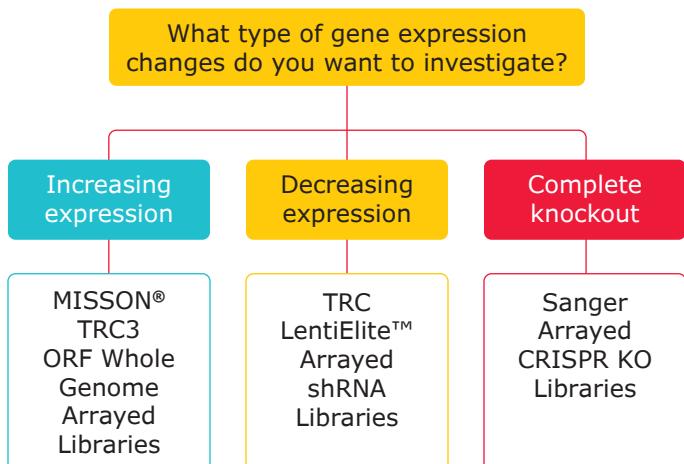
## Functional Genomics Screening Promotion!

30% Off All Arrayed Screening Libraries - For a Limited Time Only

We partnered with leaders from the Broad Institute and Wellcome Trust Sanger Institute to provide best-in-class arrayed screening libraries. Available in multiple formats to address every aspect of your research, enabling high content, effective screens.

### Benefits of arrayed screens:

- Enriched phenotypic content: Flexibility in functional assay and analysis possibilities beyond viability—no deconvolution required
- High sensitivity: A single target in every well provides better signal-to-noise ratio
- Ease of identifying candidate genes: Closer genotype to phenotype correlation
- Flexibility: Broader availability of assay cell types such as primary and neuronal lines



### Sanger Whole Genome CRISPR Collection

The first-ever commercially available arrayed lentiviral CRISPR knockout libraries were created in collaboration with the Wellcome Sanger Institute. Based upon validated techniques published in the literature, the Sanger CRISPR libraries put your lab at the forefront to make the next significant discovery. These libraries have been designed to cover >17,000 human and >20,000 mouse genes. Over 95% of these gRNAs successfully induced DNA cleavage and gene loss-of-function.

### MISSION® TRC shRNA Collection

In collaboration with the RNAi Consortium (TRC), we offer MISSION® shRNA libraries, developed at the Broad Institute, a joint venture between MIT and Harvard. As the exclusive provider of the complete human and mouse shRNA libraries (TRC 1, 1.5, and 2.0) we offer ~130,000 human shRNA clones, 43,000+ of which are validated. When working with primary, immune, non-transfatable, or non-dividing cells, lentiviral shRNA libraries will provide you with efficient, long-term knockdown using a robust and quality system.

### MISSION® TRC3 Open Reading Frame (ORF) Collection

Perform whole-genome, arrayed, gain-of-function screens with our TRC3 ORF collection. It is the perfect complement to your RNAi and CRISPR loss-of-function screens. The MISSION® TRC LentiORF collection is available in glycerol and lentiviral formats and offers extensive coverage of >14,000 human genes, pre-cloned.

[SigmaAldrich.com/screening](https://SigmaAldrich.com/screening)

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

© 2021 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, the vibrant M, MISSION, LentiElite, and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

MK\_FL8378EN Ver. 1.0 37480 08/2021

