



## **Dharmacon™ Edit-R™ CRISPR-Cas9 screening libraries: robust, reliable, and reproducible gene knockout for effective loss-of-function studies**

### **Benefit from functional and specific targeting for high-confidence gene knockout results**

- All Dharmacon Edit-R guide RNAs are predesigned with our validated Edit-R algorithm—no time spent designing your own!

### **Harness the power of arrayed CRISPR screens for complex, multiparametric, or high-content phenotypes**

- Gain deeper insight into your biology with one-well-per-gene capability
- Easily stratify your hits with multiple data points per gene to focus your efforts on the most promising first—get to publication or the clinic faster!

### **Simplify large screens with pooled lentiviral sgRNA libraries for highly multiplexed experiments**

- Delivery to almost any cell type, even those refractory to transfection, with high functional titers and generous volumes of purified, concentrated lentiviral particles
- Validated protocols and experimental guidelines support you from start to finish

Edit-R crRNA Arrayed Libraries	Human		Mouse	
	# genes	Catalog #	# genes	Catalog #
Edit-R - Apoptosis	446	GC-003900-xx		
Edit-R - Cell Cycle Regulation	169	GC-003200-xx	105	GC-013200-xx
Edit-R - Cytokine Receptors	110	GC-004000-xx	158	GC-014000-xx
Edit-R - Deubiquitinating Enzymes	98	GC-004700-xx	68	GC-014700-xx
Edit-R - DNA Damage Response	240	GC-006000-xx		
Edit-R - Drug Targets	3686	GC-004650-xx		
Edit-R - Druggable Genome	7995	GC-004600-xx		
Edit-R - Epigenetics	835	GC-006100-xx	729	GC-016100-xx
Edit-R - G Protein-coupled Receptors	384	GC-003600-xx	515	GC-013600-xx
Edit-R - Genome	18,700	GC-005000-xx		
Edit-R - Ion Channels	345	GC-003800-xx	340	GC-013800-xx
Edit-R - Membrane Trafficking	140	GC-005500-xx	113	GC-015500-xx
Edit-R - Nuclear Receptors	52	GC-003400-xx	46	GC-013400-xx
Edit-R - Phosphatases	247	GC-003700-xx	273	GC-013700-xx
Edit-R - Proteases	473	GC-005100-xx	540	GC-015100-xx
Edit-R - Protein Kinases	703	GC-003500-xx	715	GC-013500-xx
Edit-R - Transcription Factors	1529	GC-005800-xx	1440	GC-015800-xx
Edit-R - Tyrosine Kinases	85	GC-003100-xx	85	GC-013100-xx
Edit-R - Ubiquitin Enzymes	650	GC-006200-xx	591	GC-016200-xx

- Four unique crRNA designs per gene arrayed in 96- or 384-well plates
- Also available as customized cherry-pick libraries; simply upload your gene list and customize your plates

Edit-R Lentiviral sgRNA Arrayed and Pooled Libraries				
Human				
Arrayed	# genes	Catalog #		
Edit-R - Druggable Genome	7826	GSGH11761		
Edit-R - Drug Targets	3737	GSGH11848		
Edit-R - GPCR	381	GSGH11763		
Edit-R - Ion Channels	348	GSGH11764		
Edit-R - Phosphatases	253	GSGH11767		
Edit-R - Proteases	478	GSGH11768		
Edit-R - Protein Kinases	698	GSGH11769		
Edit-R - Transcription Factors	1507	GSGH11855		
Edit-R - Ubiquitin Conjugation	583	GSGH11772		
Human				
Mouse				
Pooled	# genes	Catalog #	# genes	Catalog #
Edit-R - Whole Genome	18,525	VSGH11113	19,683	VSGM11135
Edit-R - Druggable Genome	7359	VSGH11112	9827	VSGM11134
Edit-R - GPCR	378	VSGH11106	498	VSGM11128
Edit-R - Ion Channels	345	VSGH11108	340	VSGM11130
Edit-R - Protein Kinases	700	VSGH11105	708	VSGM11127
Edit-R - Phosphatases	247	VSGH11107	269	VSGM11129
Edit-R - Proteases	473	VSGH11109	533	VSGM11131
Edit-R - Ubiquitin Conjugation	564	VSGH11110	517	VSGM11132

#### Arrayed:

- Up to four unique sgRNA designs per gene, arrayed in 96-well plates of *E. coli* glycerol stocks
- Plasmids can be isolated and delivered directly to cells or packaged into lentiviral particles for more difficult cell types
- Gene family collections; use individually or pool them to create custom lentiviral screening libraries

#### Pooled:

- Deep coverage with 5–10 sgRNAs per gene
- Validated experimental and bioinformatics analysis protocols to enable your success
- Can be combined with the promoter flexibility of Edit-R Lentiviral Cas9 Nuclease Reagents for robust editing

Actual gene count may vary slightly.

Orders can be placed through quotes only.

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