

Thermo Scientific (<http://www.thermoscientificbio.com>)

Molecular Biology ([../molecular-biology/](#)) | RNAi & Custom RNA Synthesis ([../mai-and-custom-rna-synthesis/](#)) | siRNA ([../mai-and-custom-rna-synthesis/sirna/](#)) | siGENOME siRNA ([../mai-and-custom-rna-synthesis/sirna/sigenome-sirna/](#)) | Human siRNA Libraries ([../mai-and-custom-rna-synthesis/sirna/sigenome-sirna/human-sirna-libraries/](#)) | Human siGENOME RTF - DNA Damage Response

Human siGENOME RTF - DNA Damage Response

Ideal for labs who want to carry out siRNA screens but lack high-throughput capabilities

(Checkout) ([../admin/productqueue/edit/17179919437](#)) (Report Missing Content or Issue) ([http://uslaf-lsrtfs.amer.thermo.com:8080/tfs/web/wi.aspx?pname=LSR&wit=Feedback&\[Area Path\]=LSR/Feedback/Bugs&\[Sprint Focus\]=Content&\[Repro Steps\]=http://uat.thermoscientificbio.com/EktronTemplates/ProductLayout.aspx?id=17179919437](http://uslaf-lsrtfs.amer.thermo.com:8080/tfs/web/wi.aspx?pname=LSR&wit=Feedback&[Area Path]=LSR/Feedback/Bugs&[Sprint Focus]=Content&[Repro Steps]=http://uat.thermoscientificbio.com/EktronTemplates/ProductLayout.aspx?id=17179919437))

Also Available As: Human siGENOME siRNA Library - DNA Damage Response ([../sirna/human-sigenome-sirna-library-dna-damage-response/](#))

A ready-to-use reverse transfection format RNAi screening library targeting human DNA damage response genes. Just resuspend pre-dispensed siRNA and add cells. Optimization plates available.

Human siGENOME RTF - DNA Damage Response

H-006005, Unit Size: 6 replicates, 6.25 pmol, Price:

Inquire ([/product-inquire/?catalogNumber=H-006005](#)),

Human siGENOME RTF - DNA Damage Response - black plates

H-006005B, Unit Size: 6 replicates, 6.25 pmol, Price:

Inquire ([/product-inquire/?catalogNumber=H-006005B](#)),

Human siGENOME RTF - DNA Damage Response - white plates

H-006005W, Unit Size: 6 replicates, 6.25 pmol, Price:

Inquire ([/product-inquire/?catalogNumber=H-006005W](#)),

Description

The Thermo Scientific Human siGENOME RTF DNA Damage Response siRNA library targets genes involved in the DNA damage and repair pathways. This includes damage surveillance, damage recognition and signaling, signal effector genes, repair genes, and genes involved in dissociation and resolution of DNA repair complexes.

RTF siRNA libraries are provided as multiple single-use plate sets – just rehydrate, and add cells. This unique pre-plated format reduces hands-on time for faster screening results.

siGENOME siRNAs are designed with the proprietary SMARTselection design algorithm for high-efficiency, guaranteed silencing. They also incorporate rational strand bias with application of ON-TARGET modifications to optimize antisense strand loading into RISC for effective target knockdown.

Highlights

- Six ready-to-use 96-well plate sets provided for two triplicate screens
- Pre-plated, validated RNAi controls included
- No aliquoting necessary, just resuspend, and add cells
- SMARTpool siRNA reagents provided in clear plates at 6.25 pmol per well (50 nM final screening concentration)
- Black or white clear-bottom plates available to support assays involving fluorescent or luminescent detection

Well	Pre-plated control	Control Cat No.
A1	siGENOME Non-targeting siRNA #2	D-001210-02
B1	siGENOME Non-targeting siRNA #3	D-001210-03
C1	siGENOME Non-targeting siRNA #4	D-001210-04
D1	siGENOME Non-targeting siRNA #5	D-001210-05
E1	siGENOME Non-targeting pool #2	D-001206-14
F1	siGENOME Cyclophilin B control pool (H, M, R) Control siRNA	D-001136-01

For a diagram of the RTF Library Plate layout, see Figure 1 on the Supporting Data tab.

Experimental considerations

DharmaFECT Cell Culture Reagent (DCCR) ([/mai-ancillary-reagents/dharmafect-cell-culture-reagent-dccr/](#)) is recommended for use with RTF libraries to dilute transfection reagents prior to use. DCCR may be purchased separately or accompanying your RTF Optimization Plates

DharmaFECT transfection reagents ([/mai-and-custom-rna-synthesis/transfection/sirna-and-microrna-transfection/](#)) are highly recommended for use with RTF libraries and should be purchased separately. Refer to the DharmaFECT Cell Type Guide (http://www.dharmacon.com/uploadedFiles/Home/Support_Center/Selection_Guides/dharmafect-cell-type-guide-dharmacon-products.pdf) to find the appropriate formulation for your cell type.

For a complete list of target genes in this siRNA Library, please email Technical Support (<mailto:techservice.genomics@thermofisher.com>), or call 1-800-235-9880. International customers, please call 303-604-9499 or your local Sales Representative.