

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](#)),

References

References

1. Publications using RTF Libraries

T. Sorkina, M. Mirakina, K.R. Dionne, B.R. Hoover, N.R. Zahniser, A. Sorkin, RNA interference screen reveals an essential role of Nedd4-2 in dopamine transporter ubiquitination and endocytosis. (<http://www.ncbi.nlm.nih.gov/pubmed?term=RNA%20interference%20screen%20reveals%20an%20essential%20role%20of%20Nedd4-2%20in%20dopamine%20transporter%20ubiquitination%20and%20endocytosis>.) *J Neurosci.* **26(31)**, 8195-205 (2006).

P. Monteiro, D. Gilot, E. Le Ferrec, C. Rauch, D. Lagadic-Gossmann, O. Fardel, Dioxin-mediated up-regulation of aryl hydrocarbon receptor target genes is dependent on the calcium/calmodulin/CaMKIIalpha pathway. (<http://www.ncbi.nlm.nih.gov/pubmed?term=Dioxin-mediated%20up-regulation%20of%20aryl%20hydrocarbon%20receptor%20target%20genes%20is%20dependent%20on%20the%20calcium%20calmodulin%20CaMKIIalpha%20pathway>.) *Mol Pharmacol.* **73(3)**, 769-77 (Epub 18 December 2007, March 2008).

A. A. Kolokoltsov, D. Deniger, E. H. Fleming, N.J. Roberts Jr, J. M. Karpilow, R. A. Davey, Small interfering RNA profiling reveals key role of clathrin-mediated endocytosis and early endosome formation for infection by respiratory syncytial virus. (<http://www.ncbi.nlm.nih.gov/pubmed?term=small%20interfering%20RNA%20profiling%20reveals%20key%20role%20of%20clathrin-mediated%20endocytosis%20and%20early%20endosome%20formation%20for%20infection%20by%20respiratory%20syncytial%20virus>.) *J Virol.* **81(14)**, 7786-800 (Epub 9 May 2007, July 2007).

K. M. Hussain, K. L. Leong, M. M. Ng, J. J. Chu, The essential role of clathrin-mediated endocytosis in the infectious entry of human enterovirus 71. (<http://www.ncbi.nlm.nih.gov/pubmed?term=The%20essential%20role%20of%20clathrin-mediated%20endocytosis%20in%20the%20infectious%20entry%20of%20human%20enterovirus%2071>.) *J Biol Chem.* **286(1)**, 309-321 (Epub 18 October 2010, 7 January 2011).

2. General Screening References

B.D. Parsons, A. Schindler, D.H. Evans, E. Foley, A direct phenotypic comparison of siRNA pools and multiple individual duplexes in a functional assay. (<http://www.plosone.org/article/info:doi/10.1371/journal.pone.0008471>) *PLoS One.* **4(12)**, e8471 (2009).

M. Jiang, R. Instrell, B. Saunders, H. Berven, M. Howell, Tales from an academic RNAi screening facility, FAQs. (<http://www.ncbi.nlm.nih.gov/pubmed/21527443>) *Brief Funct. Genomics.* **10(4)**, 227-237 (2011). [doi: 10.1093/bfgp/elr016]