

Store at
-20°C

SignalSilence® Control siRNA (Cy5® Conjugate)



Cell Signaling
TECHNOLOGY®

#86921

Support: +1-978-867-2388 (U.S.)
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Orders: 877-616-2355 (U.S.)
orders@cellsignal.com

New 07/17

For Research Use Only. Not For Use In Diagnostic Procedures.

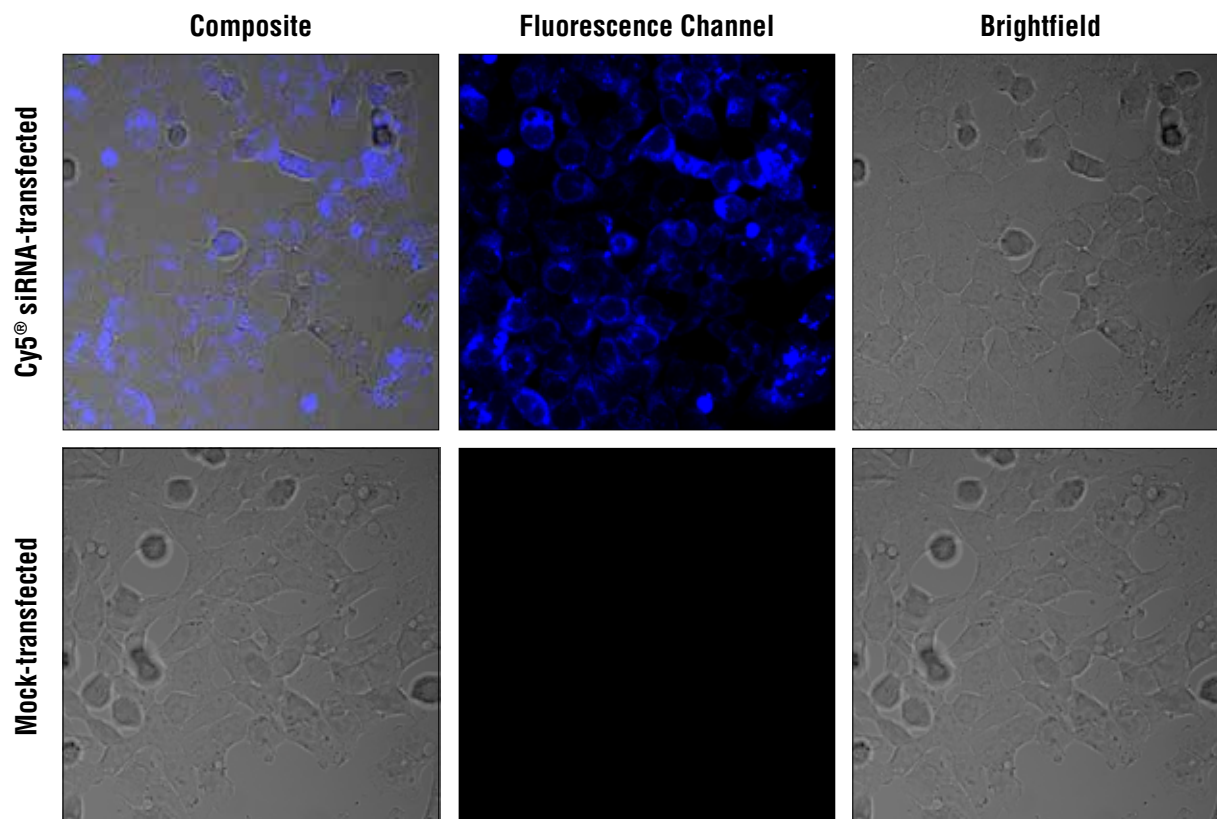
Species Cross-Reactivity: All

Description: RNA interference is a method whereby gene expression can be selectively silenced through the delivery of double-stranded RNA molecules into the cell. SignalSilence® Control siRNA (Cy5® Conjugate) from Cell Signaling Technology (CST) is an siRNA sequence that will not lead to the specific degradation of any cellular message. It is intended to serve as a negative control for experiments using targeted siRNA transfection. In addition, this siRNA is Cy5®-conjugated to allow the researcher to assess transfection efficiency by fluorescence microscopy.

Storage: SignalSilence® siRNA is supplied in RNase-free water. *Aliquot and store at -20°C.*

Directions For Use: CST recommends transfection with 100 nM SignalSilence® Control siRNA (Cy5® Conjugate) 24 to 48 hours prior to cell lysis. For transfection procedure, follow protocol provided by transfection reagent manufacturer. Please feel free to contact CST with any questions on use.

Each vial contains the equivalent of 20 transfections, which corresponds to a final siRNA concentration of 100 nM per transfection in a 24-well plate with a total volume of 300 µl per well.



Fluorescent and brightfield analysis of HCT 116 cells 48 hours post-transfection with either SignalSilence® Control siRNA (Cy5® Conjugate) (top panel, blue) or mock-transfected (bottom panel, no signal).

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.