SignalSilence® Stat3 siRNA I (Mouse Specific)

- 10 µM in 300 µl (100 transfections)

**Species Cross-Reactivity:** M

**Description:** SignalSilence® Stat3 siRNA I (Mouse Specific) from Cell Signaling Technology (CST) allows the researcher to specifically inhibit Stat3 expression using RNA interference, a method whereby gene expression can be selectively silenced through the delivery of double stranded RNA molecules into the cell. All SignalSilence® siRNA products from CST are rigorously tested in-house and have been shown to reduce target protein expression by western analysis.

**Background:** The Stat3 transcription factor is an important signaling molecule for many cytokines and growth-factor receptors (1) and is required for murine fetal development (2). Stat3 is constitutively activated in a number of human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is constitutively activated in a number of human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possesses oncogenic potential (2). Stat3 is activated by human tumors (3,4) and possess

**Applications Key:** W—Western | IP—Immunoprecipitation | IHC—Immunohistochemistry | ChIP—Chromatin Immunoprecipitation | IF—Immunofluorescence | F—Flow cytometry | E—ELISA-Peptide

**Species Cross-Reactivity Key:** H—human | M—mouse | R—rat | Hm—hamster | Mm—monkey | Mb—mink | C—chicken | Dm—D. melanogaster | X—Xenopus | Z—zebrafish | B—bovine

**Storage:** Stat3 siRNA I (Mouse Specific) is supplied in RNAse-free water. Aliquot and store at -20°C.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Background References:**