**S3 Table. siRNAs used in this study**

|  |  |  |
| --- | --- | --- |
| **siRNA target** | **Cat. No.** | **Manufacturer** |
| Scrambled | [#AM4611](http://www.ambion.com/search/click_log_filter.php?link=http%3A%2F%2Fwww.ambion.com%2Fcatalog%2FCatNum.php%3FAM4611&stl=2000377&p=2147) | Ambion |
| 0007786733-1 | Sigma-Aldrich |
| TRCN0000072178 | National RNAi Core Facility Platform |
| Akt1 | SASI\_Hs01\_00205545 | Sigma-Aldrich |
| Akt2 | SASI\_Hs01\_00035058 | Sigma-Aldrich |
| Akt3 | SASI\_Hs01\_00122808 | Sigma-Aldrich |
| TRCN0000001615TRCN0000001616 | National RNAi Core Facility Platform |
| CREB1 | SASI\_Hs01\_00116985 | Sigma-Aldrich |
| TRCN0000011085TRCN0000226467TRCN0000226468TRCN0000007310 | National RNAi Core Facility Platform |
| eIF4E | SASI\_Hs01\_00216117 | Sigma-Aldrich |
| TRCN0000062575TRCN0000062576TRCN0000062573 | National RNAi Core Facility Platform |
| eIF4B | SASI\_Hs01\_00121426 | Sigma-Aldrich |
| TRCN0000236423TRCN0000236424TRCN0000062598 | National RNAi Core Facility Platform |
| 4EBP1 | SASI\_Hs02\_00336903 | Sigma-Aldrich |
| Gβ | TRCN0000036779TRCN0000036780TRCN0000036783 | National RNAi Core Facility Platform |
| mTOR | SASI\_Hs02\_00338641 | Sigma-Aldrich |
| 6381 | Cell signaling |
| TRCN0000195453TRCN0000199323 | National RNAi Core Facility Platform |
| NFAT1 | SASI\_Hs01\_00195473 | Sigma-Aldrich |
| MEF2A | SASI\_Hs01\_00163355 | Sigma-Aldrich |
| TRCN0000005132TRCN0000005134 | National RNAi Core Facility Platform |
| Pitx2 | TRCN0000020479TRCN0000020481TRCN0000020483 | National RNAi Core Facility Platform |
| PI 3K p101 | SC-94221 | Santa Cruz |
| FRAT1 | SASI\_Hs01\_00129296 | Sigma-Aldrich |
| Fzd6 | SASI\_Hs02\_00335793 | Sigma-Aldrich |
| RARβ | SASI\_Hs01\_00062416 | Sigma-Aldrich |
| RXR | SASI\_Hs01\_00097638 | Sigma-Aldrich |
| Stat3 | SASI\_Hs01\_00121206 | Sigma-Aldrich |
| TrkA | TRCN0000001992TRCN0000001995TRCN0000199815 | National RNAi Core Facility Platform |
| TrkB | TRCN0000002245TRCN0000195539TRCN0000196299 | National RNAi Core Facility Platform |
| TrkC | TRCN0000002309TRCN0000002313TRCN0000194821 | National RNAi Core Facility Platform |
| c-Src | SASI\_Hs01\_00112907 | Sigma-Aldrich |
| Wnt2B | SASI\_Hs01\_00125584 | Sigma-Aldrich |