

Garimella et al., Table S2

| NCBI gene symbol | Entrez Gene Id | Gene Description | mRNA Accessions | siRNA Target Sequence 5'-3' | Product Id (Qiagen (Inc.)) | Vendor validated | In primary screen | siRNA Name |
|------------------|----------------|--|---|-----------------------------|----------------------------|------------------|-------------------|-------------|
| ACTN4 | 81 | actinin, alpha 4 | NM_004924 | CCCAGCAATCATCAACTCCAA | SI02779980 | Yes | Yes | siACTN4.1 |
| | | | | ACGCAGCATCGTGGACTACAA | SI02779973 | Yes | Yes | siACTN4.2 |
| | | | | AAGGTGCTGGCTGTCAACCAA | SI00070098 | | Yes | siACTN4.3 |
| | | | | CTGACACATAGTCGCAGGGAA | SI00070084 | | Yes | siACTN4.4 |
| ATP5A1 | 498 | ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle | NM_001001935 NM_001001937 NM_004046 | TTGGCTGGATTGAAGCTTAA | SI02776991 | Yes | | siATP5A1.1 |
| | | | | ATGCTTTGGGTTTCATCTTTCA | SI00306859 | | Yes | siATP5A1.2 |
| | | | | CCCAGTTGGTGAAGAGACTTA | SI00306852 | | Yes | siATP5A1.3 |
| | | | | CCCGGTATCATTCTCGAATT | SI00306866 | | Yes | siATP5A1.4 |
| BCL2L1 | 598 | BCL2-like 1 | NM_001191 NM_138578 | CAGTGCCTCACTTCTACAA | SI03068352 | | | siBCL2L1.1 |
| | | | | TTGGCTTTGGATTAGAAGA | SI03025141 | | | siBCL2L1.2 |
| | | | | TAGGGTGGCCCTTGCAATTCA | SI03112018 | | | siBCL2L1.3 |
| | | | | CTGCTTGGGATAAAGATGCAA | SI00023191 | | | siBCL2L1.4 |
| BCR | 613 | breakpoint cluster region | NM_004327 NM_021574 | AAGGCGGATTGAATCTCTTT | Custom | | Yes | siBCL2L1.5 |
| | | | | CAGCCGCAACGGCAAGAGTTA | SI00062762 | | Yes | siBCR.1 |
| | | | | CAGCATTCGGCTGACCATCAA | SI00288141 | Yes | Yes | siBCR.2 |
| | | | | ACGGCAGTCCATGACGGTGAA | SI00288134 | Yes | Yes | siBCR.3 |
| BIRC2 | 329 | baculoviral IAP repeat containing 2 | NM_001166 | AAGTCAACGACAAAGAGGTG | SI00299425 | Yes | | siBCR.4 |
| | | | | AACATAGTAGCTTGTTCAGTG | SI02654435 | Yes | | siBIRC2.1 |
| | | | | CTAGGAGACAGTCTTATCAA | SI02654442 | Yes | | siBIRC2.2 |
| | | | | TAGGCGTTTCTGATAACACTA | SI00022855 | | Yes | siBIRC2.3 |
| CNKSR1 | 10256 | connector enhancer of kinase suppressor of Ras 1 | NM_006314 | TCCCAGTCCCTCGTATCAA | SI02625427 | | Yes | siBIRC2.4 |
| | | | | CAGGGTGGCGTGTCCCTCCTA | SI03571169 | Yes | | siCNKSR1.1 |
| | | | | CAGGAGCTGCAGTCTAGAA | SI00087402 | | Yes | siCNKSR1.2 |
| | | | | GAGGGCTACTTCCAACCAA | SI00087395 | | Yes | siCNKSR1.3 |
| FGFR4 | 2264 | fibroblast growth factor receptor 4 | NM_002011 NM_022963 NM_213647 | ACCCATGACTTCCAGAGCATA | SI02665411 | Yes | | siCNKSR1.4 |
| | | | | CAGGCTTCCGGCAAGTCAA | SI02665306 | Yes | | siFGFR4.1 |
| | | | | CAGGAGTTCTGGGCCTCTGA | SI00031374 | | Yes | siFGFR4.2 |
| | | | | CCGCCTGACCTTCGGACCCTA | SI02659979 | Yes | Yes | siFGFR4.3 |
| HIPK2 | 28996 | homeodomain interacting protein kinase 2 | NM_001113239 NM_022740 | CACATTGACTACTATAAGAAA | SI00031360 | | Yes | siFGFR4.4 |
| | | | | AAGCGTCGGGTGAATATGTAT | SI04439393 | | | siHIPK2.1 |
| | | | | TCCGAAGTCTCCATACTAAA | SI02659818 | Yes | | siHIPK2.2 |
| | | | | CCAGGTGAACATGACGACAGA | SI04439386 | | | siHIPK2.3 |
| IKBKB | 3551 | inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta | NM_001190720 NM_001190721 NM_001242778 NM_001556 | AACAGTACCCTTACATATA | SI02659811 | Yes | | siHIPK2.4 |
| | | | | TAGGAGCTATTTCATGTTTCA | SI02626456 | | Yes | siIKBKB.1 |
| | | | | CAGACCACATTGTGGACTTA | SI02626442 | | Yes | siIKBKB.2 |
| | | | | CTGGAGAAGTACAGCGAGCAA | SI02777376 | Yes | | siIKBKB.3 |
| MKNK1 | 8569 | MAP kinase interacting serine/threonine kinase 1 | NM_001135553 NM_003684 NM_198973 | AAACCGAGTTTGGGATCACAT | SI00300545 | Yes | | siIKBKB.4 |
| | | | | TAGATAGTGTCTGTGCCTAA | SI02621962 | Yes | | siMKNK1.1 |
| | | | | CACGGACCAGGCCACATTCTA | SI00054663 | | | siMKNK1.2 |
| | | | | CAGCACGAAGAGAACGAATA | SI00054649 | | Yes | siMKNK1.3 |
| PDPK1 | 5170 | 3-phosphoinositide dependent protein kinase-1 | NM_002613 NM_031268 | CCAGCAAAGATGATACCTTAA | SI02621955 | Yes | Yes | siMKNK1.4 |
| | | | | AACAAGTTCTGAAAGGTGAA | SI00301154 | Yes | | siPDPK1.1 |
| | | | | CACGCCTAACAGGACGTATTA | SI00605787 | Yes | Yes | siPDPK1.2 |
| | | | | AAGGGCATCTTCCAGGGAC | SI00301140 | Yes | | siPDPK1.3 |
| PIP5K1C | 23396 | phosphatidylinositol-4-phosphate 5-kinase, type I, gamma | NM_001195733 NM_012398 | AAGCGTTAGGCTGTGAGGAA | SI00605780 | Yes | Yes | siPDPK1.4 |
| | | | | CGCGCCCGCCACCGACATCTA | SI02758966 | Yes | | siPIP5K1C.1 |
| | | | | CCGCGTGTGGTTCATGAACAA | SI02224376 | Yes | Yes | siPIP5K1C.2 |
| | | | | CGGCGAAACCACCTACAAGAA | SI00099967 | | Yes | siPIP5K1C.3 |
| PLK3 | 1263 | polo-like kinase 3 | NM_004073 | CGGCAAGACCTATTATAATA | SI00099953 | | Yes | siPIP5K1C.4 |
| | | | | CCCGAAATCGTAGTCTTGTA | SI02223466 | Yes | Yes | siPLK3.1 |
| | | | | GTGGGTTGACTACTCCAATAA | SI00059395 | | Yes | siPLK3.2 |
| | | | | CAGAAAGACTGTGCACTACAA | SI00059388 | | Yes | siPLK3.3 |
| PRKCI | 5584 | protein kinase C, iota | NM_002740 | CTGCATCAAGCAGGTTCACTA | SI02223473 | Yes | Yes | siPLK3.4 |
| | | | | AACAGGTGGTACCTCCCTTTA | SI00301336 | Yes | | siPRKCI.1 |
| | | | | ACGCCGTGGAGAAAGCTTTA | SI02660084 | Yes | Yes | siPRKCI.2 |
| | | | | CAGATTGTTCTTTGTTATAGA | SI02660098 | Yes | | siPRKCI.3 |
| RIOK3 | 8780 | RIO kinase 3 (yeast) | NM_003831 NM_145906 | TCCGGTAATAGGAAGAGGAA | SI02660091 | Yes | Yes | siPRKCI.4 |
| | | | | CAGACTGTGGCCGTATTCTA | SI00056525 | | Yes | siRIOK3.1 |
| | | | | ATGGGTGACTTGAATACCAA | SI00056504 | | Yes | siRIOK3.2 |
| | | | | CTGGCTGTATTAGTACAGGAA | SI02223403 | Yes | Yes | siRIOK3.3 |
| SRC | 6714 | v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) | NM_005417 NM_198291 | ATGCGGCAGTTATATCATGAA | SI02223396 | Yes | Yes | siRIOK3.4 |
| | | | | CTCCATGTGGCTCCATATTTA | SI02664151 | Yes | Yes | siSRC.1 |
| | | | | TCCATGTGCGTCCATATTAA | SI00076832 | | Yes | siSRC.2 |
| | | | | AAGCAGTGCCTGCCTATGAAA | SI02223921 | Yes | Yes | siSRC.3 |
| | | | | CGGCTTGTGGGTGATGTTTGA | SI02223928 | Yes | Yes | siSRC.4 |