

EZN4150 (LNA antisense): AGCCATTCATTCCACC
EZN4150 sense sequence target: GGTGGAATGAATGGCT
PIK3CA siRNA #38 target sequence: CTGAGTAACAGACTAGCTA
PIK3CA siRNA #39 target sequence: CTTATTGAGGTGGTGGAA

Human *PIK3CA* (NCBI Reference Sequence: NM_006218.2):

ATGCC TCCACGACCATCATCAGGTGAACTGTGGGGCATCCACTTGATGCCCCCAAGAATCCTAGTAGAATGTTACTACCAATGGAATGATAGTGAC
TTTAGAATGCCTCCGTGAGGCTACATTAATAACCATAAAGCATGAACTATTTAAAGAAGCAAGAAAATACCCCTCCATCAACTTCTTCAAGATGAAT
CTTCTTACATTTTCGTAAGTGTACTCAAGAAGCAGAAAGGGGAAGAATTTTTTGATGAAACAAGACGACTTTGTGACCTTCGGCTTTTTCAACCCTTT
TAAAAGTAATTGAACCAGTAGGCAACCGTGAAGAAAAGATCCTCAATCGAGAAATGGTTTTGCTATCGGCATGCCAGTGTGTGAATTTGATATGGT
TAAAGATCCAGAAGTACAGGACTTCCGAAGAAAATTTCTGAACGTTTGTAAAGAAGCTGTGGATCTTAGGGACCTCAATTCACCTCATAGTAGAGCAA
TGTATGCTATCCTCCAAATGTAGAATCTTCCACCAGAATTGCCAAAGCACATATATAATAAAATAGATAAAGGGCAAATAATAGTGGTGATCTGGGTA
ATAGTTTCTCCAAATAATGACAAGCAGAAGTATACTCTGAAAATCAACCATGACTGTGTACCAGAACAAGTAATTGCTGAAGCAATCAGGAAAAAAAC
TCGAAGTATGTTGCTATCCTCTGAACAATAAACTCTGTGTTTTAGAATATCAGGGCAAGTATATTTAAAAGTGTGTGGATGTGATGAATACTTCC
TAGAAAAATATCCTCTGAGTCAGTATAAGTATATAAGAAGCTGTATAATGCTTGGGAGGATGCCAATTTGATGTTGATGGCTAAAGAAAGCCTTTAT
TCTCAACTGCCAATGGACTGTTTTACAATGCCATCTTATTCCAGACGCATTTCCACAGCTACACCATATATGAATGGAGAAACATCTACAAAATCCCT
TTGGGTTATAAATAGTGCACCTCAGAATAAAAATCTTTGTGCAACCTACGTGAATGTAAATATTCGAGACATTGATAAGATCTATGTTCCGAACAGGTA
TCTACCATGGAGGAGAACCCTTATGTGACAATGTGAACACTCAAAGAGTACCTTGTTCCAATCCCAAGTGGGAATGAATATGATATATAC
ATTCCTGATCTTCCCTCGTGTGCTCGACTTTGCCCTTCCATTTGCTCTGTTAAAGGCCGAAAGGGTGTAAAGAGGAACACTGTCCATTGGCATGGGG
AAATATAAACTTGTATTACACAGACACTCTAGTATCTGGAAAAATGGCTTTGAATCTTTGGCCAGTACCTCATGGATTAGAAGATTTGCTGAACC
CTATTGGTGTACTGGATCAAATCCAAATAAAGAACTCCATGCTTAGAGTTGGAGTTTTCAGCTGTTTCCAGCAGTGTGGTAAAGTTCCAGATATGCA
GTGATTGAAGAGCATGCCAATTTGGTCTGTATCCCAGAGAAGCAGGATTTAGCTATTTCCACGCAGGAAGTGGTTCAGCAGTGTGGTAAAGTTCCAGATATGCA
AAGGAAAAATGACAAAGAACAGCTCAAAGCAATTTCTACACGAGATCCTCTCTCTGAAATCACTGAGCAGGAGAAAGATTTTCTATGGAGTACACAGAC
ACTATTGTGTAACATATCCCCGAAATTTCTACCCAAATGCTTCTGTCTGTTAAATGGAATTTCTAGAGATGAAGTAGCCAGATGTATTGCTTGGTAAAA
GATTGGCCTCCAATCAAACCTGAACAGGCTATGGAACCTTCTGGACTGTAATTACCAGATCCTATGGTTCGAGGTTTTGCTGTTCCGGTCTTGGAAAA
ATATTTAACAGATGACAACTTTCTCAGTATTTAATTCAGCTAGTACAGGTCCTAAAATATGAACAATATTTGGATAACTTGTGTGAGATTTTTAC
TGAAGAAAGCATTGACTAATCAAAGGATTGGGCCTTTTTCTTTGGCATTAAAAATCTGAGATGCACAATAAAACAGTTAGCCAGAGGTTTGGCCTG
CTTTTGGAGTCTATTGTGCTGATGTGGGATGTATTTGAAGCACCTGAATAGGCAAGTCGAGGCAATGGAAAAGCTCATTAACTTAACTGACATTCT
CAAACAGGAGAAGAAGGATGAAACACAAAAGGTACAGATGAAGTTTTAGTTGAGCAATGAGGCGACCAGATTTTCATGGATGCTCTACAGGGCTTTC
TGTCCTCTTAAACCCTGCTCATCAACTAGGAAACCTCAGGCTTGAAGAGTGTCAATTTATGCTCTGCAAAAAGGCCACTGTGGTTGAATTTGGGAG
AACCAGACATCATGTGAGAGTTACTGTTTCAGAACAAATGAGATCATCTTTAAAAATGGGGATGATTTACGGCAAGATATGCTAACACTTCAAATTTAT
TCGTATTATGAAAAATATCTGGCAAAAATCAAGGCTTTGATCTTCGAATGTTACCTTATGGTTGCTGTCAATCGGTGACTGTGTGGGAAGTATTGAGG
TGGTGGAAATTCTCACACTATTATGCAAAATTCAGTGCAAAGGCGGCTTGAAGGTGCACTGCAGTTCAACAGCCACACACTACATCAGTGGCTCAAA
GACAAGAACAAGGAGAAATATATGATGCAGCCATTGACCTGTTTACACGTTTCAATGTGCTGGATACTGTGTAGCTACCTTCATTTTGGGAATGGAGA
TCGTACAATAGTAACATCATGGTGAAGACGATGGACAACCTTTCATATAGATTTTGGACACTTTTTGGATCACAAGAAGAAAAAATTTGGTTATA
AACGAGAACGTGTGCCATTTGTTTTGACACAGGATTTCTTAATAGTGATTAGTAAAGGAGCCCAAGAATGCACAAAGACAAGAGAATTTGAGAGGTTT
CAGGAGATGTGTTACAAGGCTTATCTAGCTATTCGACAGCATGCCAATCTCTTCATAAATCTTTCTCAATGATGCTTGGCTCTGGAATGCCAGAAC
ACAATCTTTTGTGATGACATTGCATACATTGAAAGACCCTAGCCTTAGATAAAAATGAGCAAGAGGCTTTGGAGTATTTTCATGAAACAAATGAATGATG
CACATCATGGTGGCTGGACAACAAAAATGGATTGGATCTTCCACACAATTAACAGCATGCATTGAACTGA

Supplementary Figure 2: EZN4150 and p110 α siRNA target sequences within the *PIK3CA* gene: The human *PIK3CA* coding sequence is presented. The nucleotide sequences targeted by EZN4150, si*PIK3CA* #38 and si*PIK3CA* #39 are highlighted.