

Supplementary Information

Table S1. The Sequence of Negative Control for miRNA mimic and inhibitor.

Name	Sequence
NC(5' to 3')	UUC UUC GAA CGU GUC ACG UTT
(Control for mimics)	ACG UGA CAC GUU CGG AGA ATT
NC(5' to 3')	CAG UAC UUU UGU GUA GUA CAA
(Control for inhibitor)	

Table S2. Primer sequences and parameters of Myoblast differentiation marker gene for real-time PCR.

Gene	Primer sequence (5' to 3')	Accession No.	$T_m/^{\circ}\text{C}$
<i>Myf5</i>	F: GGACCAGTTTGAGCCAAGAG R: CGAAAGCTTGGTTGACCTTC	NM_008656	55
<i>MyoD</i>	F: AGTGAATGAGGCCTTCGAGA R: GCATCTGAGTCGCCACTGTA	NM_010866	60
<i>MyoG</i>	F: CAATGCACTGGAGTTCGGT R: CTGGGAAGGCAACAGACAT	NM_031189	60
<i>MyHC</i>	F: CGCAAGAATGTTCTCAGGCT R: GCCAGGTTGACATTGGATTG	NM_030679	60
<i>MURF1</i>	R: GCTGGTGGAAAACATCATTGACATC F: GCTGGTGGAAAACATCATTGACATC	NM_001039048	59
<i>Atrogin</i>	R: CTGAATAGCATCCAGATCAGCAGG F: TTGATAAAGTCTTGAGGGGAAAGTG	NM_026346	57

Table S3. Primer sequences and parameters of miR-199a-3p target genes for real-time PCR.

Gene	Primer sequence (5' to 3')	Accession No.	$T_m/^{\circ}\text{C}$
<i>IGF-1</i>	F: AGGCATTGTGGATGAGTGTT R: TCCTTTGCAGCTTCGTTT	NM_010512	58
<i>PIK3r1</i>	F: CTGAGATTGCTTCGTGAC R: CTTATCCCATGGCTATGA	NM_001077	61
<i>mTOR</i>	F: TCCGAGAGATGAGTCAAGAGG R: CACCTTCCACTCCTATGAGGC	NM_020009	61
<i>RKS6KA6</i>	F: AACGGTTATGCGGGAGC R: AACTGTGCGGGATCTGC	NM_025949	60
<i>GAPDH</i>	F: GGCAAGTTCAACGGCACAG R: CGCCAGTAGACTCCACGACAT	NC_005103	60

Table S4. Primer sequences used for cloning 3' UTR of miR-199a-3p target genes.

Gene	Primer sequence (5' to 3')	Length	Position (NCBI)
<i>IGF-1</i>	F: CCGCTCGAGCTGTGGGTGGGTGAGTAC R: ATTTGCGGCCGCATGCTTTGAATGGGAATG	691	4851-5542
<i>PIK3r1</i>	F: CCGCTCGAGGGTTGACTCTGGGCTTTGC R: ATTTGCGGCCGCATGGCTATGATCACTCTGGT	681	4046-4727
<i>mTOR</i>	F: CCGCTCGAGAAACCACGTCGTCTCCTC R: ATTTGCGGCCGCAGCATATCCCTCCCTCAC	625	7783-8408
<i>RKS6KA6</i>	F: CCGCTCGAGCTACCTTGAATCCTATGGCG R: ATTTGCGGCCGCGACAAAATACTACACCAAGACTAAAT	660	3682-4342

Underlined symbols are the Restriction Enzyme cutting sites.

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