

Table S1.

Gene	Catalog #	Hairpin sequence (5'– 3')	Corresponding shRNA (5'– 3')
FMOD shRNA Plasmid (m) is a pool of 3 different shRNA plasmids			
FMOD	sc-44823-SHA	GATCCCTACATGGCAACCAGATTATTCAAGAGATAATCTGGTTGCCATGTAGTTTTT	Sense: CUACAUGGCAACCAGAUUAtt Antisense: UAAUCUGGUUGCCAUGUAGtt
	sc-44823-SHB	GATCCCTACTAGACCTGAGTTATATTCAAGAGATAAATCAGGTCTAGTAGTTTTT	Sense: CUACUAGACCUGAGUUUAUAtt Antisense: UAUAAUCUCAGGUCUAGUAGtt
	sc-44823-SHC	GATCCGCAACAGGATCAATGAGTTTTCAAGAGAACTCATTGATCCTGTTGCTTTTT	Sense: GCAACAGGAUCAUAGAGUUtt Antisense: AACUCAUUGAUCCUGUUGCtt
DPT shRNA Plasmid (m) is a pool of 3 different shRNA plasmids			
DPT	sc-143012-SHA	GATCCCTGACAGACAAATGGAATATTCAAGAGATAGTTCCATTGTCTGTCAGTTTTT	Sense: CUGACAGACAAUGGAACUAtt Antisense: UAGUCCAUGUCUGUCAGtt
	sc-143012-SHB	GATCCCAGTGGAAGTTCATCATGTTTCAAGAGAACATGATGAACTTCCACTGTTTTT	Sense: CAGUGGAAGUUCAUCAUGUtt Antisense: ACAUGAUGAACUCCACUGtt
	sc-143012-SHC	GATCCCTGTGATTGCGACTATAACTTCAAGAGAGTTATAGTGCGAATCACAGTTTTT	Sense: CUGUGAUUCGCACUAUAACtt Antisense: GUUAUAGUGCGAAUCACAGtt
Col1a1 shRNA Plasmid (m) is a pool of 3 different shRNA plasmids			
Col1a1	sc-44044-SHA	GATCCCAATGGTGCTCCTGGTATTTTCAAGAGAAAATACCAGGAGCACCATTTGTTTTT	Sense: CAAUGGUGCUCCUGGUUUtt Antisense: AAUACCAGGAGCACCAUUGtt
	sc-44044-SHB	GATCCCAAGGTCCTTCTGGATCAATTCAAGAGATTGATCCAGAAGGACCTTGTTTTT	Sense: CAAGGUCCUUCUGGAUCAAtt Antisense: UUGAUCCAGAAGGACCUUGtt
	sc-44044-SHC	GATCCGCAAGACAGTCATCGAATATTCAAGAGATATTCGATGACTGTCTTGCTTTTT	Sense: GCAAGACAGUCAUCGAAUAtt Antisense: UAUUCGAUGACUGUCUUGCtt
ITM2a shRNA Plasmid (m) is a pool of 3 different shRNA plasmids			
ITM2a	sc-60868-SHA	GATCCCTAGGCCTCTCATTCATCTTTCAAGAGAAGATGAATGAGAGGCCTAGTTTTT	Sense: CUAGGCCUCUCAUUAUCUtt Antisense: AGAUGAAUGAGAGGCCUAGtt
	sc-60868-SHB	GATCCGGATCCTGTCAATTCCATTTTCAAGAGAAATGGAATTGACAGGATCCTTTTT	Sense: GGAUCCUGUCAAUUCCAUUtt Antisense: AAUGGAAUUGACAGGAUCCtt
	sc-60868-SHC	GATCCCAAGCGTGCCATTGACAAATTCAAGAGATTTGTCAATGGCACGCTTGTTTTT	Sense: CAAGCGUGCCAUUGACAAAtt Antisense: UUUGUCAUUGGCACGCUUGtt
IgLON5 shRNA Plasmid (m) is a pool of 3 different shRNA plasmids			
IgLON5	sc-140623-SHA	GATCCGGAATACGAATGCGTTACTTTCAAGAGAAGTAACGCATTTCGTATTCCTTTTT	Sense: GGAAUACGAAUGCGUUACUtt Antisense: AGUAACGCAUUCGUAUUCtt

sc-140623-SHB

GATCCCATCACTGTGAGGGATTATTCAAGAGATAATCCCTCACAGTGATGGTTTTT

Sense: CCAUCACUGUGAGGGAUUAtt

Antisense: UAAUCCUCACAGUGAUGGtt

Table S2.

	Gene	Product size (bp)	Tm (°C)	Forward primer	Reverse primer
1	GAPDH	155	59	5'- TGC TGG TGC TGA GTA TGT CG - 3'	5'- CAA GCA GTT GGT GGT ACA GG - 3'
2	MYOD	213	59	5'- AGG AGC ACG CAC ACT TCT CT - 3'	5'- TCT CGA AGG CCT CAT TCA CT - 3'
3	MYOG	185	59	5'- TCC AGT ACA TTG AGC GCC TA - 3'	5'- CAA ATG ATC TCC TGG GTT GG - 3'
4	MYL2	177	59	5'- AAA GAG GCT CCA GGT CCA AT - 3'	5'- CCT CTC TGC TTG TGT TGG TCA - 3'
5	IgLON5	218	59	5'- CTC CGA GAC GGT TTC ACC TC - 3'	5'- ATA GCT TCA CAG CGC AGG AG - 3'
6	FMOD	155	59	5'- AGG AGC ACG CAC ACT TCT CT - 3'	5'- TCT CGA AGG CCT CAT TCA CT - 3'
7	DPT	224	59	5'- GGA TCG TGA GTG GCA ATT TT - 3'	5'- CGA ATT CGC AGT CGT AGT CA - 3'
8	COL1a1	224	59	5'- CTT TGC TTC CCA GAT GTC CT - 3'	5'- CCC CAT CAT CTC CAT TCT TG - 3'
9	ITM2a	200	59	5'- CAT GCC CAA GAG CAC CAT TT - 3'	5'- AGT CGT GAA TAA TTG CCG CC - 3'
10	THBS1	162	59	5'- CAT GTG GCAA TGG AAT TCA G - 3'	5'- AAC AGG ACG ACC ATG GAG AC - 3'
11	WASP	201	59	5'- GCT CCA AAT GGT CCC AAT CT - 3'	5'- CCA TCC AAC ATG CCC AAT GTG - 3'
12	CDH15	134	59	5'- GGA CTA TGA GAG CCG TGA GC - 3'	5'- GAG CTT CGT TGG TGT CCT GA - 3'

Figure S1.

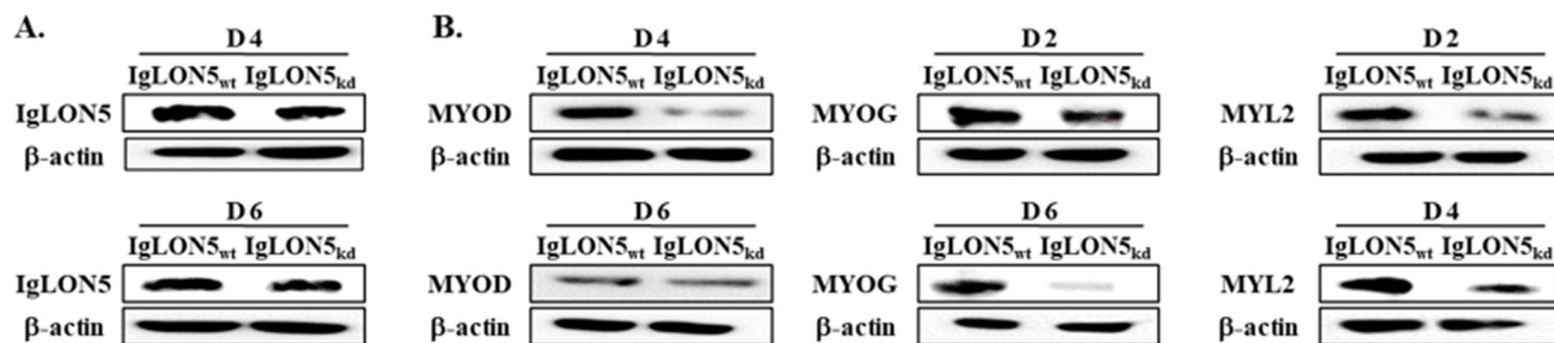


Figure S2.

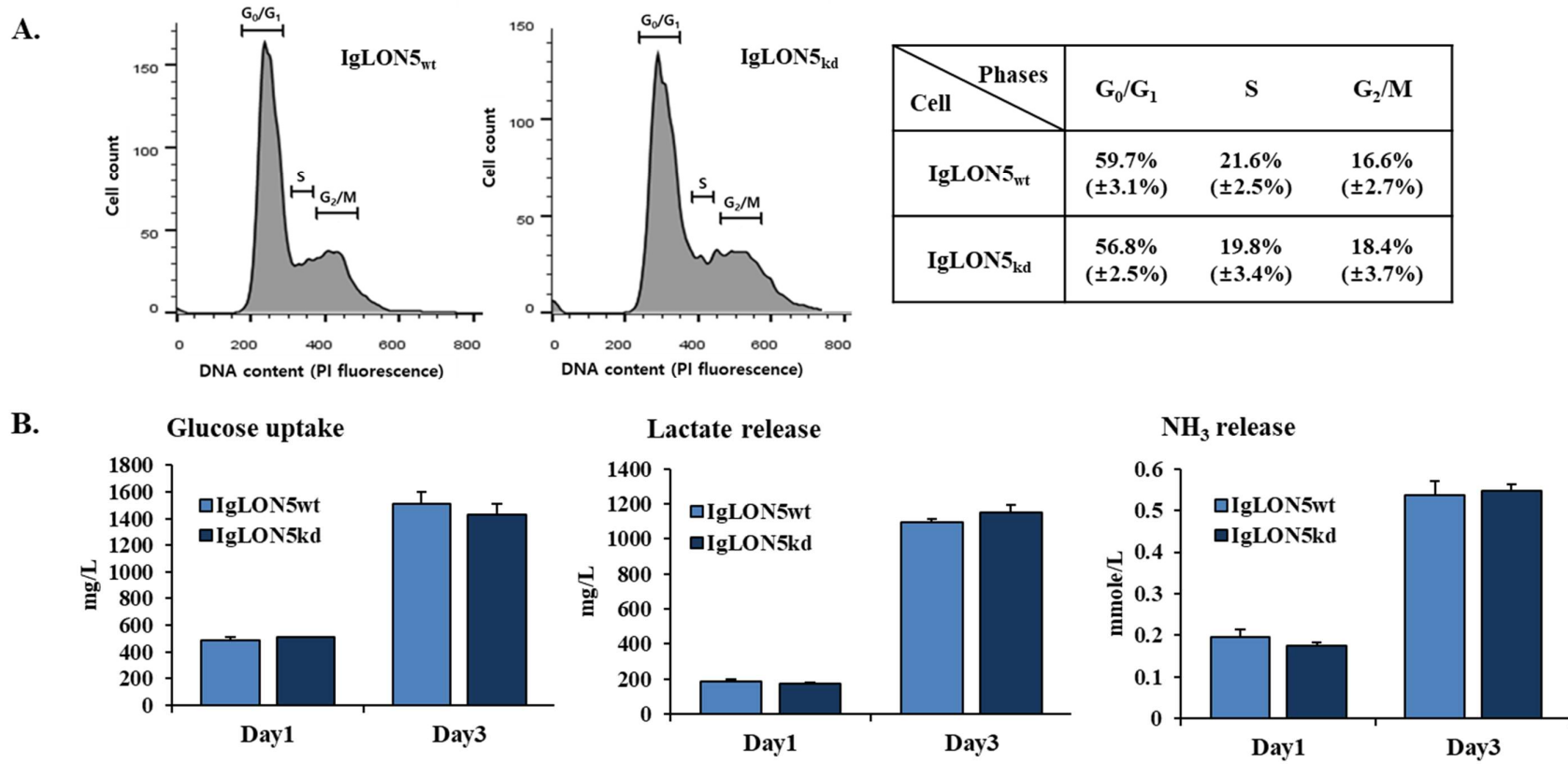


Figure S3.

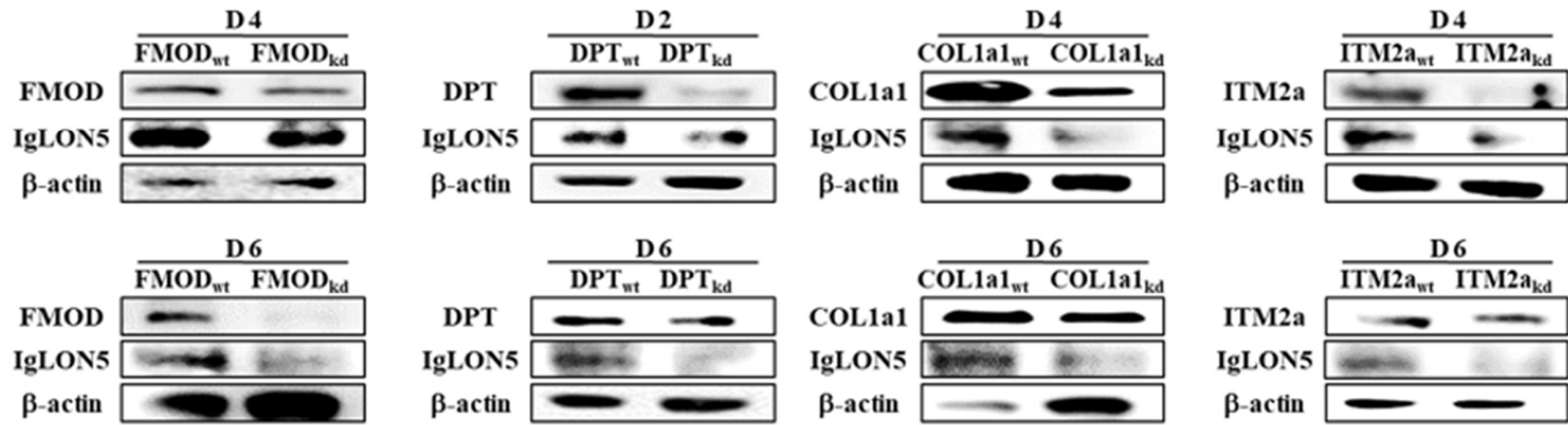


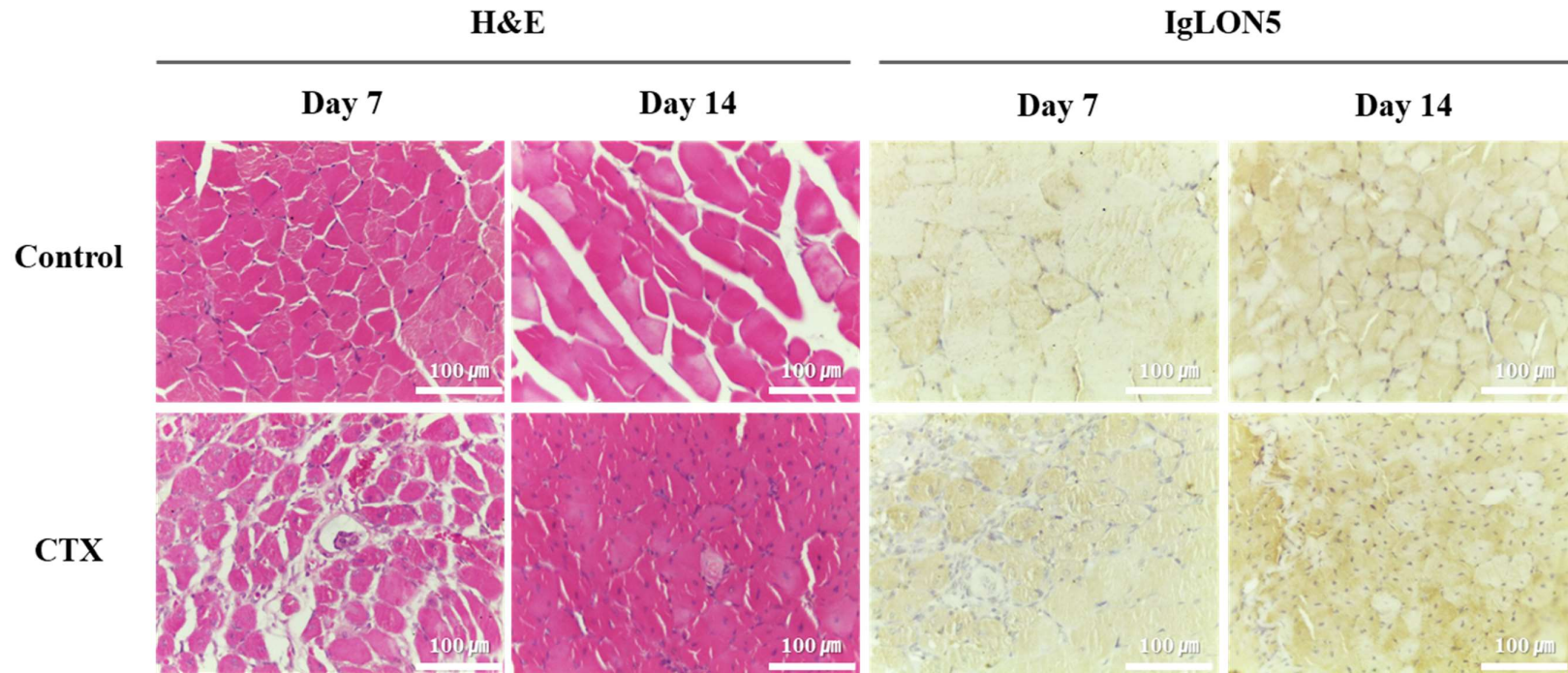
Figure S4.

Figure S5.

