

The Type 1 Insulin-Like Growth Factor Receptor (IGF-1R) Mediates Follistatin-Induced Skeletal Muscle Hypertrophy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Interference with Myostatin/ActRIIB Signaling as a Therapeutic Strategy for Duchenne Muscular Dystrophy. <i>Current Gene Therapy</i> , 2012, 12, 245-259.	0.9	55
2	Multifaceted Role of Insulin-Like Growth Factors and Mammalian Target of Rapamycin in Skeletal Muscle. <i>Endocrinology and Metabolism Clinics of North America</i> , 2012, 41, 297-322.	1.2	27
3	Mechanisms Modulating Skeletal Muscle Phenotype. , 2013, 3, 1645-1687.		191
4	Decorin activates Akt downstream of IGF1R and promotes myoblast differentiation. <i>Animal Science Journal</i> , 2013, 84, 669-674.	0.6	15
5	The Imprinted H19 LncRNA Antagonizes Let-7 MicroRNAs. <i>Molecular Cell</i> , 2013, 52, 101-112.	4.5	969
6	Muscle protein synthesis, mTORC1/MAPK/Hippo signaling, and capillary density are altered by blocking of myostatin and activins. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E41-E50.	1.8	76
7	Mechanisms regulating skeletal muscle growth and atrophy. <i>FEBS Journal</i> , 2013, 280, 4294-4314.	2.2	1,115
8	Skeletal muscle hypertrophy and regeneration: interplay between the myogenic regulatory factors (MRFs) and insulin-like growth factors (IGFs) pathways. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4117-4130.	2.4	229
9	The bone morphogenetic protein axis is a positive regulator of skeletal muscle mass. <i>Journal of Cell Biology</i> , 2013, 203, 345-357.	2.3	166
10	How β -adrenergic agonists induce skeletal muscle hypertrophy?. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2013, 2, 423-428.	0.2	5
11	Follistatin could promote the proliferation of duck primary myoblasts by activating PI3K/Akt/mTOR signalling. <i>Bioscience Reports</i> , 2014, 34, .	1.1	16
12	Myostatin signaling regulates Akt activity via the regulation of miR-486 expression. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 47, 93-103.	1.2	107
13	Effects of the regulation of follistatin mRNA expression by IGF-1 in duck (<i>Anas platyrhynchos</i>) skeletal muscle. <i>Growth Hormone and IGF Research</i> , 2014, 24, 35-41.	0.5	3
14	Endocrine regulation of fetal skeletal muscle growth: impact on future metabolic health. <i>Journal of Endocrinology</i> , 2014, 221, R13-R29.	1.2	97
15	Optimizing IGF-I for skeletal muscle therapeutics. <i>Growth Hormone and IGF Research</i> , 2014, 24, 157-163.	0.5	56
16	Differential Muscle Hypertrophy Is Associated with Satellite Cell Numbers and Akt Pathway Activation Following Activin Type IIB Receptor Inhibition in Mtm1 p.R69C Mice. <i>American Journal of Pathology</i> , 2014, 184, 1831-1842.	1.9	29
17	Leukocyte IGF-1 Receptor Expression during Muscle Recovery. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 92-99.	0.2	12
18	Elevated insulin-like growth factor 2 expression may contribute to the hypermuscular phenotype of myostatin null mice. <i>Growth Hormone and IGF Research</i> , 2015, 25, 207-218.	0.5	12

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19	Role of IGF-I in follistatin-induced skeletal muscle hypertrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E557-E567.	1.8	24
20	Role of IGF-I signaling in muscle bone interactions. <i>Bone</i> , 2015, 80, 79-88.	1.4	122
21	Myostatin/activin blocking combined with exercise reconditions skeletal muscle expression profile of mdx mice. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 131-142.	1.6	21
22	Protein Profiles for Muscle Development and Intramuscular Fat Accumulation at Different Post-Hatching Ages in Chickens. <i>PLoS ONE</i> , 2016, 11, e0159722.	1.1	40
23	The developmental transcriptome sequencing of bovine skeletal muscle reveals a long noncoding RNA, lncMD , promotes muscle differentiation by sponging miR-125b. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2835-2845.	1.9	120
24	S6K1 Is Required for Increasing Skeletal Muscle Force during Hypertrophy. <i>Cell Reports</i> , 2016, 17, 501-513.	2.9	89
25	H19 controls reactivation of the imprinted gene network during muscle regeneration. <i>Development (Cambridge)</i> , 2016, 143, 962-971.	1.2	65
26	In vitro drug testing based on contractile activity of C2C12 cells in an epigenetic drug model. <i>Scientific Reports</i> , 2017, 7, 44570.	1.6	29
27	IGF1 stimulates greater muscle hypertrophy in the absence of myostatin in male mice. <i>Journal of Endocrinology</i> , 2017, 234, 187-200.	1.2	38
28	IGF-1 potentiates sensory innervation signalling by modulating the mitochondrial fission/fusion balance. <i>Scientific Reports</i> , 2017, 7, 43949.	1.6	11
29	Comparative Proteomic and Transcriptomic Analysis of Follistatin-Induced Skeletal Muscle Hypertrophy. <i>Journal of Proteome Research</i> , 2017, 16, 3477-3490.	1.8	22
30	Hormonal responses following eccentric exercise in humans. <i>Hormones</i> , 2018, 16, 405-413.	0.9	16
31	Mechanisms involved in follistatin-induced hypertrophy and increased insulin action in skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1241-1257.	2.9	47
32	Sarcopenia in Chronic Kidney Disease: Factors, Mechanisms, and Therapeutic Interventions. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1437-1445.	0.6	74
34	Myokines: A potential key factor in development, treatment, and biomarker of sarcopenia. , 2021, , 171-185.		1
35	Palmitic Acid Impairs Myogenesis and Alters Temporal Expression of miR-133a and miR-206 in C2C12 Myoblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2748.	1.8	11
36	Activation of IGF-1 pathway and suppression of atrophy related genes are involved in Epimedium extract (icariin) promoted C2C12 myotube hypertrophy. <i>Scientific Reports</i> , 2021, 11, 10790.	1.6	11
37	p21-Activated Kinase 1 Is Permissive for the Skeletal Muscle Hypertrophy Induced by Myostatin Inhibition. <i>Frontiers in Physiology</i> , 2021, 12, 677746.	1.3	3

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41	Uremic Solutes and Sarcopenia. , 2020, , 131-147.		0
42	Molecular Mechanism of Muscle Wasting in CKD. , 2020, , 15-33.		0
44	Molecular and biochemical regulation of skeletal muscle metabolism. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	9
45	Muscular myostatin gene expression and plasma concentrations are decreased in critically ill patients. <i>Critical Care</i> , 2022, 26, .	2.5	0
46	Evolutionary analysis and functional characterization reveal the role of the insulin-like growth factor system in a diversified selection of chickens (<i>Gallus gallus</i>). <i>Poultry Science</i> , 2023, 102, 102411.	1.5	2
47	Identification of Key Genes and Biological Pathways Associated with Skeletal Muscle Maturation and Hypertrophy in <i>Bos taurus</i> , <i>Ovis aries</i> , and <i>Sus scrofa</i> . <i>Animals</i> , 2022, 12, 3471.	1.0	7
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