

Gene	Full name	Function	References
Gabarap1	GABA receptor-associated protein 1	Involve in contractile dysfunction of muscle and muscle wasting	(1, 2)
Kif21a	Kinesin family member 21A	Relate to muscle fibrosis	(3)
Akap9	A kinase-anchoring protein 9	Involve in myoblast differentiation and airway smooth muscle secretory function	(4)
Ccnd2	Cyclin D2	Enhance myogenic differentiation and induce regeneration	(5)
Ctsb	Cathepsin B	Relate to muscle proteolytic system	(6)
Phactr1	The protein phosphatase and actin regulator 1	Relate to G-Actin	(7)
Scd1	Stearoyl-CoA desaturase 1	Regulate glucose metabolism of muscle	(8, 9)
Tgfb2	The type II transforming growth factor $\beta$ receptor	Regulate smooth muscle differentiation and skeletal development	(10, 11)

TABLE S1: Genes related to the muscle development.

#### References:

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