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**Title:** MicroRNA-152-5p inhibits proliferation and migration and promotes apoptosis by regulating expression of Smad3 in human keloid fibroblasts.

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Supplementary-table 1:

The profile of samples for primary culture

HKFs from patients	sex	Age (yr)	Biopsy Site	Duration(yr)	Etiology	previous treatment
HKF1	Female	28	earlobe	3	Piercing	None
HKF2	Male	30	Back	4	injury	None
HKF3	Female	25	earlobe	1	Piercing	None
HKF4	Female	25	earlobe	5	Piercing	None
HKF5	Female	20	earlobe	5	unknown	None
HKF6	Male	15	earlobe	2	Piercing	None
HKF7	Female	20	earlobe	5	Piercing	None
HKF8	Female	18	earlobe	3	Piercing	None
HKF9	Male	32	earlobe	2	Piercing	None
HKF10	Male	32	earlobe	3	Piercing	None

A: Cells were isolated from the discarded tissues from 10 patients who had a keloid at least 1-year evolution, with clinical activity such as fast growth, hyperemia, pruritus, and pain. Exclusion criteria include cancer, genetic or infectious diseases, and preoperative radiotherapy or chemotherapy.

Supplementary-table 2.

Nucleotide sequences of primers used for PCR

Gene	Sequence
GAPDH-F	5'-GGAGCGAGATCCCTCCAAAAT-3'
GAPDH-R	5'-GGCTGTTGTCATACTTCTCATGG-3'
U6-F	5'-TGGAACGCTTCACGAATTTGCG-3'
U6-R	5'-GGAACGATACAGAGAAGATTAGC-3'
Smad3-F	5'-TGGACGCAGGTTCTCCAAAC-3'
Smad3-R	5'-CCGGCTCGCAGTAGGTAAC-3'
miR-152-5p	5'-AGGTTCTGTGATACTCCGACT-3'

A: F, forward primer; R, reverse primer

Supplementary-table 3.

corresponding sequences used for transfection

Sence	Sequence
miR-152-5p mimic	5'-AGGUUCUGUGAUACACUCCGACU-3'
miR-152-5p inhibitor	5'-AGUCGGAGUGUAUCACAGAACCU-3'
si- Smad3-1	5'- CCGCAUGAGCUUC GUCAAAdTdT-3
si- Smad3-2	5'-GCGUGAAUCCCUACCACUAdTdT-3'
si- Smad3-3	5'-GCCA UCCAUGACUGUGGAUdTdT-3'
NC	5'-ACTACTGAGTGACAGTAGA-3'