



Supplementary figure 1. SA-β-gal staining assays for NC lentiviral vectors transfection group. Scale bar = 100μm.

Supplementary Table 1: Primers used in this study for RT-qPCR.

Gene	Primers sequences (Forward)	Primers sequences (Reverse)
hTERT	GCGTTTGGTGGATGATTTCT	CAGGGCCTCGTCTTCTACAG
COL1A1	GTGCGATGACGTGATCTGTGA	CGGTGGTTTCTTGGTCGGT
COL3A1	GGAGCTGGCTACTTCTCGC	GGAACATCCTCCTTCAACAG
ELN	TGCTAGAGCGAATCCAGCTT	CGCTGGTGCTCTTATCTTCC
MMP2	CCCACTGCGGTTTTCTCGAAT	CAAAGGGGTATCCATCGCCAT
MMP3	ACAAAGGATACAACAGGGACCA	GGAACCGAGTCAGGTCTGTG
MMP9	TGTACCGCTATGGTTACTCTCG	GGCAGGGACAGTTGCTTCT
TIMP1	CTTCTGCAATTCCGACCTCGT	ACGCTGGTATAAGGTGGTCTG
TIMP2	AAGCGGTCAGTGAGAAGGAAG	GGGGCCGTGTAGATAAACTCTAT
GAPDH	AACGTGTCAGTGGTGGACCTG	GAGACCACCTGGTGCTCAGTG

Supplementary Table 2: Part of short tandem repeat (STR) CLASTR* results of i-hVWF.

Accession	Name	N° Markers	Score
CVCL_LG51	CG0161	8	70.97%
CVCL_4641	JHOC-7	8	70.97%
CVCL_3163	SF-TY	8	70.97%
CVCL_8491	KMP-3	8	68.97%
CVCL_F011	Dch3	8	68.75%
CVCL_1737	TC-YIK	8	68.75%
CVCL_5011	SNU-1118	9	66.67%
CVCL_K269	CC7T/VGH	8	66.67%
CVCL_3034	MY	8	66.67%
CVCL_3035	MY-M12	8	66.67%
CVCL_3036	MY-M13	8	66.67%
CVCL_1676	SBC-1	8	66.67%
CVCL_W531	SBC-2 [Human SCLC]	8	66.67%
CVCL_8823	SJNB-6	8	66.67%

<u>CVCL_6531</u>	305M	8	64.52%
<u>CVCL_Y008</u>	CE146T/VGH	8	64.52%
<u>CVCL_LG80</u>	CG1359	8	64.52%
<u>CVCL_0T85</u>	HE30	8	64.52%
<u>CVCL_2969</u>	KAI3	8	64.52%
<u>CVCL_1326</u>	Karpas-45	8	64.52%

*The cell STR similarity search tool CLASTR (<https://web.expasy.org/cellosaurus-str-search/>) was used to check the STR testing data.