

Supplementary Materials: Talin Modulation by a Synthetic N-acylurea Derivative Reduces Angiogenesis in Human Endothelial Cells

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Table S1. Primer information for real-time PCR.

Gene	Primer Sequence
CD31	5'-GAGTCCTGCTGACCCTTCTG 3'-TCAGGTTCTTCCCATTTCG
Vascular endothelial-Cadherin (VE-Cadherin)	5'-GGCATCTTCGGGTGATCCT 3'-CCGACAGTTGTAGGCCCTGTT
von Willebrand factor (vWF)	5'-TAAGTCTGAAGTAGAGGTGG 3'-AGAGCAGCAGGAGCACTGGT
Tie2	5'-TTGAAGTGGAGAGAAGGTCTG 3'-GTTGACTCTAGCTCGGACCAC
Vascular cell adhesion molecule-1 (VCAM-1)	5'-TGCACAGTGACTTGTGGACAT 3'-CCACTCATCTCGATTCTGGA
Intercellular adhesion molecule-1 (ICAM-1)	5'-CCTTCCTCACC GTG TACTGG 3'-AGCGTAGGGTAAGGTCTTGC
C-X-C chemokine receptor type 4 (CXCR4)	5'-CCTGCCTGGTATTGTCATCC 3'-AGGATGACTGTGGTCTTGAGG
CD34	5'-TGGAGCAAAATAAGACCTCCAG 3'-AAGGAGCAGGGAGCATACC
Fibroblast growth factor-2 (FGF-2)	5'-AGCGGCTGTACTGCAAAAAC 3'-GCTTGAAGTTGTAGCTTGATGTG
Apelin	5'-ATAAGGGACCCATGCCTTTC 3'-CCTCCAGAGAAGCAGACCAA
Urokinase receptor (uPAR)	5'-GTAGCCACCGGCACTCAC 3'-TGGTCTCAGGGCAGTAGTACTTT
Endothelial nitric oxide synthase (eNOS)	5'-GACTGAAGGCTGGCATCTG 3'-CCATGTTACTGTGCGTCCA
Neuropilin 2 (NRP2)	5'-CTGAACAAGCTCCACGCTCCACTG 3'-CCTGAGAGCATCCCCAGCATGTTG
Roundabout guidance receptor 4 (ROBO4)	5'-GCATCATCCGTGGCTACC 3'-ACAGTCCAGTTGGCTGGTG
Delta-like ligand 4 (Dll4)	5'-GTTTCCCCACAGTGACAAGAGCTTAG 3'-CCTTATACCTCCGTGGCAATGACAC
Notch1	5'-CAATGACCCCTGGAAGAAGTGC 3'-CTTCCGACGCTGGCAGTCAAAG
Notch4	5'-AGAAAGACAAGGCCAAGTGC 3'-CACGTCACACACATGAGG
Vascular endothelial growth factor receptor 1 (VEGFR1)	5'-CCAGCAGCGAAAGCTTTGCG 3'-CTCCTTGTAAGAAACCGTCAG
Vascular endothelial growth factor receptor 2 (VEGFR2)	5'-ATGACATTTTGATCATGGAGC 3'-CCCAGATGCCGTGCATGAG
Vascular endothelial growth factor receptor 3 (VEGFR3)	5'-TGCAAGAGGAAGAGGAGGTCT 3'-CAGGCTTGCGGGCTGTGC
Paxillin	5'-CAGCAGACACGCATCTCG 3'-GAGCTGCTCCCTGTCTTCC
Talin1	5'-ACCAGTGACTATGGCCGTCT 3'-CGGTGTTTGATATGGGAACC
Talin2	5'-GGCCCAGGATGATCTCAGT 3'-TCTGAACCCATACCCTAGATGC
Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	5'-GAGTCCACTGGCGTCTTCAC 3'-TTCACACCCATGACGAACAT

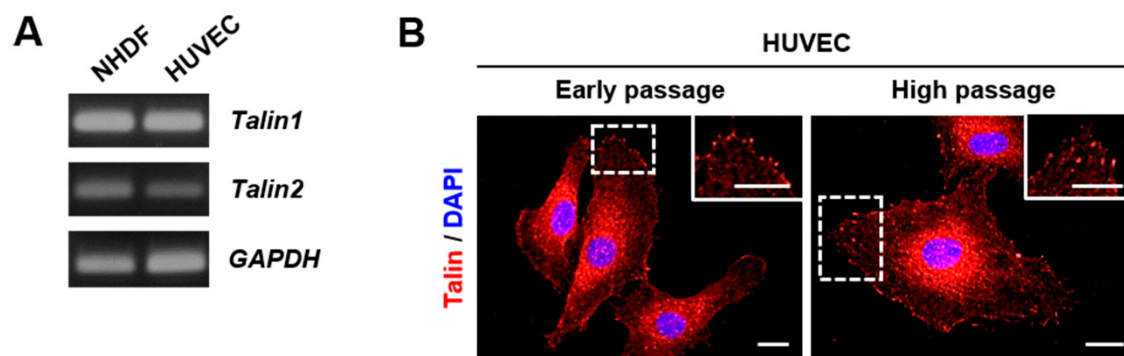


Figure S1. Positive expression of talin in human umbilical vein endothelial cells (HUVECs). (A) Semi-quantitative PCR analysis of *talin1* and *talin2* expressions in normal human dermal fibroblasts (NHDFs) and HUVECs; (B) representative immunofluorescence images of talin (red) expression in the early passage (passage 7, left) and in the high passage of HUVECs (passage 15, right). The magnified images showing talin expression in focal adhesion (FA). Nuclei were stained with DAPI (blue). Scale bars = 20 μ m.