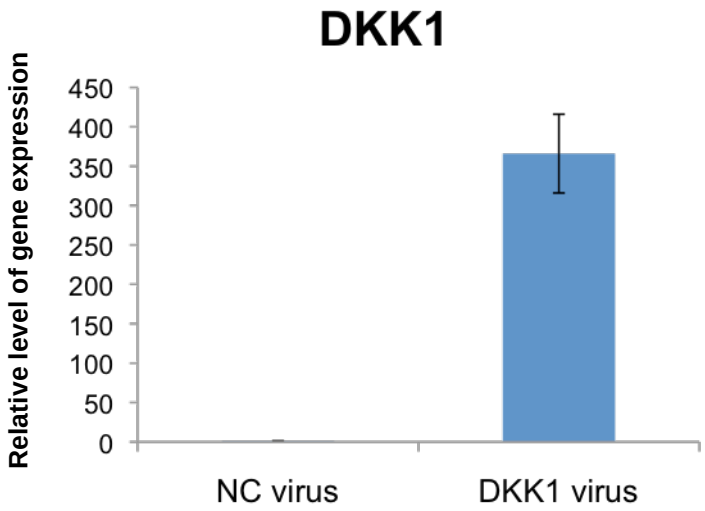

Supplemental Fig. 1: Overexpression of DKK1 in HESC via an adenovirus-based vector. HESC were transduced with recombinant adenovirus expressing DKK1 (Ad-*DKK1*) or GFP (Ad-NC) and subjected to *in vitro* decidualization. Cells were harvested at 72 h and the expression of *DKK1* was assessed by q-PCR.

Table 1. Sequence of primers used in qPCR analysis

gene	Forward primer	Backward primer
BCL2L11	CACAAACCCCAAGTCCTCCTT	TTCAGCCTGCCTCATGGAA
BMP2	CCCACTTGGAGGAGAAACAA	AGCCACAATCCAGTCATTCC
CDKN1C	GCCTCTGATCTCCGATTTCTT	GACATCGCCCGACGACTT
CTNNB1	AAAATGGCAGTGCGTTTAG	TTGAAGGCAGTCTGTCGTA
DCN	AGCTCTCCTACATCCGCATT	GCTAGCTGCATCAACTCTGC
DKK1	AGCGTTGTTACTGTGGAGAAG	GTGTGAAGCCTAGAAGAATTA
DKK2	AGTACCCGCTGCAATAATGG	GAAATGACGAGCACAGCAAA
DKK3	CTGTGTGTCTGGGGTCACTG	GCTCTAGCTCCCAGGTGATG
DKK4	CCAGAAAGTTCTGCCTCCAG	CCCAGTTGTTCCTTCTGCAT
ESR1	CAAGCCCGCTCATGATCAA	CTGATCATGGAGGGTCAAATC
FOXO1a	GACACCCTCCAGGAAGCGA	TTGGGTCAGGCGGTTCA
FZD1	CACCTTGTGAGCCGACCAA	CAGCACTGACCAAATGCCAAT
FZD2	TTTCTGGGCGAGCGTGAT	AAACGCGTCTCCTCCTGTGA
FZD3	TGGCTATGGTGGATGATCAA	TGGAGGCTGCCGTGGTA
FZD4	GGCGGCATGTGTCTTTCAGT	GAATTTGCTGCAGTTCAGACTCTCT
FZD5	CGCGAGCACAACCACATC	AGAAGTAGACCAGGAGGAAGACGAT
FZD6	ACAAGCTGAAGGTCATTTCCAAA	GCTACTGCAGAAGTGCCATGAT
FZD7	CAACGGCCTGATGTACTTTAAGG	CATGTCCACCAGGTAGGTGAGA
GAPDH	CGACCACTTTGTCAAGCTCA	AGGGGTCTACATGGCAACTG
IGFBP1	CCAAACTGCAACAAGAATG	GTAGACGCACCAGCAGAG
LEFTY2	CCTGAGAGGGTGCTAAGAG	GGTAGGTAGGGGCTGTCT
LRP5	CGTGATTGCCGACGATCTC	TCCGGCCGCTAGTCTTGTC

LRP6	TTATGTGCCACACCCAAGTTCT	CTGAGGGAGCTGATCATTGAT
PGR	TGTATTTGTGCGTGTGGGTG	TACAGCCCATTCCCAGGAAG
PRL	CTACATCCATAACCTCTCCTCA	GGGCTTGCTCCTTGTCTTC
SFRP1	GGTCATGCAGTTCTTCGGCT	TCCTCAGTGCAAACTCGCTG
SFRP2	ACCGAGGAAGCTCCAAAGGTAT	TCATCTCCTCACAGGTGCACTG
SFRP3	CTCATCAAGTACCGCCACTCGTG	CCGGAAATAGGTCTTCTGTGTAGCTC
SST	AGACTCCGTCAGTTTCTGC	CTGGTTGGGTTCAGACAG
TIMP3	GTAGACGCACCAGCAGAG	CAACCCAGGTGATACCGATAG
WNT2	GGATGACCAAGTGTGGGTGTAAG	GTGCACATCCAGAGCTTCCA
WNT2b	GGCACGAGTGATCTGTGACAATA	CGCATGATGTCTGGGTAACG
WNT3	CTGGGCCAGCAGTACACATCT	GGCATGATCTCGATGTAATTGC
WNT4	CATGCAACAAGACGTCCAAG	AAGCAGCACCAGTGGAATTT
WNT5a	TCTCCTTCGCCCAGGTTGTA	CTTCTGACATCTGAACAGGGTTATTC
WNT5b	CCAACTCCTGGTGGTCATTAGC	TGGGCACCGATGATAAACATC
WNT6	TCCGCCGCTGGAATTG	AGGCCGTCTCCCGAATGT
WNT10b	CCTCGCGGGTCTCCTGTT	AGGCCCAGAATCTCATTGCTTA
WNT11	CGTGTGCTATGGCATCAAGTG	GCAGTGTTGCGTCTGGTTCA
WNT16	GCCAATTTGCCGCTGAAC	CGGCAGCAGGTACGGTTT
36B4	GTGTTCGACAATGGCAGCAT	GACACCCTCCAGGAAGCGA