Table S1. Oligomers used in this study

Name	Application	Sequence
LINC00525-shRNA1-F	plasmid construction	ccggGAAGAGTCAAGGCTTTATAGTggatccACTATAAAGCCTTGACTCTTCtttttg
LINC00525-shRNA1-R	plasmid construction	aattcaaaaaGAAGAGTCAAGGCTTTATAGTggatccACTATAAAGCCTTGACTCTTC
LINC00525-shRNA2-F	plasmid construction	ccggGTTGGACTGATCGTTCAATTTggatccAAATTGAACGATCAGTCCAACtttttg
LINC00525-shRNA2-R	plasmid construction	aattcaaaaaGTTGGACTGATCGTTCAATTTggatccAAATTGAACGATCAGTCCAAC
LINC00525-clone-F	plasmid construction	CTAGAATTC TGACGATGACCACCTT
LINC00525-clone-R	plasmid construction	CTAGGATCC TAATTAAAAATAAATA
ELK3 CDS-clone-F	plasmid construction	CTAGAATTC ATGGAGAGTGCAATCA
ELK3 CDS-clone-R	plasmid construction	CTAGGATCC TCAGGATTTCTGAGAGTTTG
LINC00525-DNA-1-sense	lncRNA pull down	(biotin-) GGACAAACAGTGAGGACTGCACCAACACTC
LINC00525-DNA-1-antisense	lncRNA pull down	(biotin-) GAGTGTTGGTGCAGTCCTCACTGTTTGTCC
LINC00525-DNA-2-sense	lncRNA pull down	(biotin-) GAGACAGAAGACTTCATTTATTTGTCACAG
LINC00525-DNA-2-antisense	lncRNA pull down	(biotin-) CTGTGACAAATAAATGAAGTCTTCTGTCTC
LINC00525-DNA-3-sense	lncRNA pull down	(biotin-) TCCTGACTAACTCTTGCGTTGTCAGACACT
LINC00525-DNA-3-antisense	lncRNA pull down	(biotin-) AGTGTCTGACAACGCAAGAGTTAGTCAGGA
qrt-LINC00525-F	qRT-PCR	AGACCCTATGACTCCCG
qrt-LINC00525-R	qRT-PCR	TTGGCAAGAAGCAAATC
qrt-ELK3-F	qRT-PCR	ACCCAAAGGCTTGGAAATCT
qrt-ELK3-R	qRT-PCR	TGTATGCTGGAGAGCAGTGG
qrt-CD44-F	qRT-PCR	TGCCGCTTTGCAGGTGTATT
qrt-CD44-R	qRT-PCR	CCGATGCTCAGAGCTTTCTCC
qrt-SOX2-F	qRT-PCR	ACACCAATCCCATCCACACT
qrt-SOX2-R	qRT-PCR	GCAAACTTCCTGCAAAGCTC
qrt-OCT4-F	qRT-PCR	TTGAGGCTCTGCAGCTTAG
qrt-OCT4-R	qRT-PCR	GCCGGTTACAGAACCACAC
qrt-GAPDH-F	qRT-PCR	ACAACTTTGGTATCGTGGAAGG
qrt-GAPDH-R	qRT-PCR	GCCATCACGCCACAGTTTC
qrt-miR-507-F	qRT-PCR	GCATTTTGCACCTTTTGGA
qrt-miR-507-R	qRT-PCR	GTGCAGGGTCCGAGGT
qrt-U6-F	qRT-PCR	TGCGGGTGCTCGCTTCGGCAGC
qrt-U6-R	qRT-PCR	GTGCAGGGTCCGAGGT
U6-RT	RT	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACAAAATATGGAA
miR-507-RT	RT	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGATTCACT

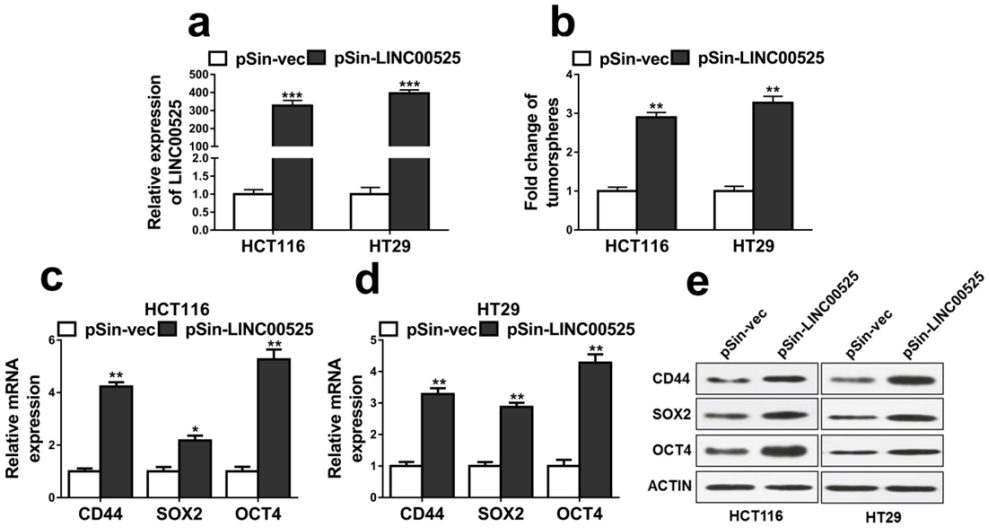

Fig. S1. Overexpression of LINC00525 promoted the stemness of colorectal cancer. (a) The relative expression levels of LINC00525 in HCT116 and HT29 cells transfected with LINC00525 plasmid (pSin-LINC00525) or empty vector (pSin-vec) were detected by qRT-PCR. (b) Overexpression of LINC00525 in HCT116 and HT29 cells significantly increased the capacity to form tumorspheres. (c～e) The levels of CD44, SOX2 and OCT4 were determined by qRT-PCR and western blot in HCT116 and HT29 cells transfected with LINC00525 plasmid (pSin-LINC00525) or empty vector (pSin-vec). The data represent as mean±SD from three independent experiments. *$p<0.05$, **$p<0.01$.