

**Supplementary TABLE S1****TABLE S1** The list of the sequence of siRNAs and ASO

Gene		Sequence (5'→3')
FALEC siRNA 1	sense	GUAGCAACUUCAAACGGAAUU
	antisense	UUCCGUUUGAAGUUGCACUU
FALEC siRNA 2	sense	AGAACAUACAGGAGGAAGAUU
	antisense	UCUUCCUCCUGUAUGUUCUUU
FALEC siRNA 3	sense	GCGGAGACUUGUCUUUAAAUU
	antisense	UUUAAAGACAAGUCUCCGCUU
ECM1 siRNA	sense	CCGUCAGCAUGUGGUAUUAUUU
	antisense	AUAUACCACAUGCUGACGGUU
siRNA-NC	sense	UUCUCCGAACGUGUCACGUUU
	antisense	ACGUGACACGUUCGGAGAAUU
FALEC ASO 1	target sequence	AAAAGGCCGGCCCAGCAATT
FALEC ASO 2	target sequence	CAAACGGAAGGTGTCAAAG

**Supplementary TABLE S2****TABLE S2** Primer sets were designed for qRT-PCR assays

Gene	Primer (5'→3')
<i>β-actin</i>	Forward: AAGACCTGTACGCCAACAC
	Reward: GTCATACTCCTGCTTGCTGAT
<i>FALEC</i>	Forward: CAAGCGGAGACTTGTCTTT
	Reward: GGCTGGTCTTGAACCTCCTGA
<i>ECM1</i>	Forward: GCCCTCTGCTGTTACCTGAG
	Reward: CCTTGGCGTTCTCAGTGTCT
<i>TARS2</i>	Forward: GGATGCAGACTCTGGACTG
	Reward: CTTTGCTCTTTCTGGCCAAC
<i>ADAMTSL4</i>	Forward: CCCAGCCTGTGGATGTCTAT
	Reward: AAGGATTGGAGGAGGTGAA
<i>MCL1</i>	Forward: AAGGCGCTGGAGACCTTAC
	Reward: ATGTCCAGTTTCCGAAGCAT
<i>ENSA</i>	Forward: GGTCTTGGGTGTGATGTGTG
	Reward: GGCCTTTAGCTTTGCCTCTT

### Supplementary TABLE S3

**TABLE S3** Quantification of FALEC amplification by qRT-PCR

Cell lines	Fold amplification (FALEC/GAPDH)	<i>p</i> value
AGS	1.01	0.53
BGC-823	1.23	0.12
MKN-45	0.94	0.39
MGC-803	1.10	0.49
HGC-27	0.96	0.83

**Note:** Primer sequences for qRT-PCR were as follows: GAPDH forward: 5'-GCTGCTTTTAACTCTGGTAAAGTG-3', GAPDH reverse: 5'-TAGCACTCACCATGTAGTTGAG-3', generating a product of 79bp; FALEC forward: 5'-CTGTTTAACCCACCTGTC -3', FALEC reverse: 5'- TTTTCTTCATCTCCCATTC-3', generating a product of 213 bp.