

Table 1 Primers for quantitative real-time PCR

Sequence 5'-3'	
hsa-miR-223-5p	CGTGTATTCACAAGCTGAGTT
miR-223-5p-RT	CTCAACTGGTGTCTGGAGTCGGCAATTAGTTGAGAAC TCAGC
miR-223-5p-F	ACACTCCAGCTGGCGTGTTATTGAC
miR-223-5p-R	CTCAACTGGTGTCTGGGA
U6 F	CTCGCTTCGGCAGCACA
U6 R	AACGCTTCACGAATTGCGT
GAPDH F	ACACCCACTCCTCCACCTTT
GAPDH R	TTACTCCTGGAGGCCATGT
FBXW7 F	CGTGTGGATGTGGAGAC
FBXW7 R	TGATGCTTGGGACCTTG
IGFR F	CGCCTCCAACCTCGTCTTT
IGFR R	CCTCAACTGTGATCCGTATTT

Table 2 Effects of miR-223, MK-2206, RO4929097, IGF1R and FBXW7 on the IC50 of Erlotinib in HCC827 or HCC827/ER cells

Cell type	group	IC ₅₀ (μM)
HCC827	—	3.85±0.41
	—	29.68±1.24 ^a
HCC827/ER	MK-2206	20.72±2.11 ^b
	RO4929097	21.45±1.47 ^b
	NC	3.88±0.55
HCC827	miR-223 mimics	4.91±0.59 ^c
	NC	29.55±2.08
HCC827/ER	miR-223 inhibitor	20.645±0.96 ^d
	Vector	3.59±0.87
HCC827	FBXW7-siRNA	8.77±0.74 ^e
	Vector	3.72±0.29
HCC827	IGF1R-siRNA	3.70±0.59
	Vector	29.66±1.87
HCC827/ER	FBXW7	19.76±1.21 ^f

All data represented as mean value ± SD from 3 independent experiments. “a”, significantly different from HCC827, $P < 0.05$. “b”, significantly different from HCC827/ER Control group, $P < 0.05$. “c”, significantly different from HCC827 NC group, $P < 0.05$. “d”, significantly different from HCC827/ER NC Vector group, $P < 0.05$. “e”, significantly different from HCC827 NC Vector group, $P < 0.05$. “f”, significantly different from its HCC827/ER NC Vector group, $P < 0.05$.