

Figure S1. Transfection efficiency was detected. (A) The relative miRNA expression level of miR-224-5p was measured using reverse transcription-quantitative PCR in the HepG2 and Huh7 cells transfected with miR-224-5p mimic and its negative control. ** $P < 0.01$. (B) The protein expression level of MREG was detected using western blot analysis in the HepG2 and Huh7 cells transfected with si-MREG and its negative control. NC, negative control; si, small inhibiting; miR, microRNA; MREG, melanoregulin.

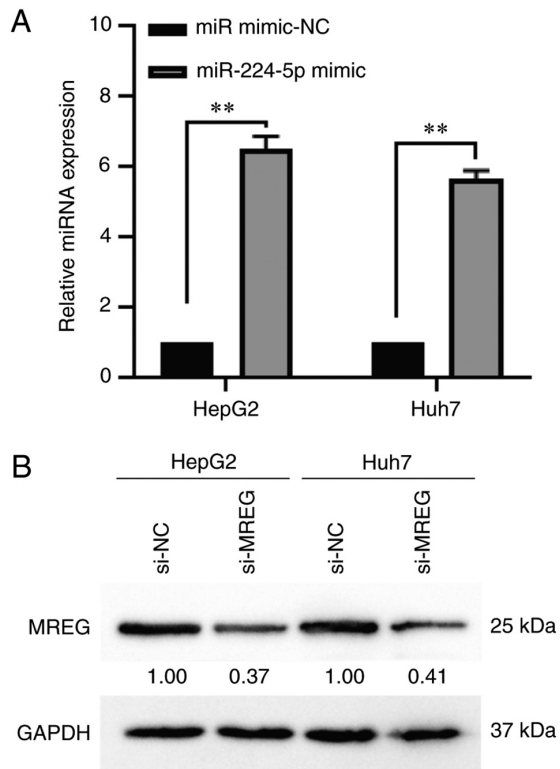


Table SI. Sequences of siRNA, miR-244-5p mimics and inhibitor, and their respective controls.

A, siRNA sequences	
Name	Sequence
si-E2F1	5'-GGGAGAAGUCACGCUAUGAGA-3'
si-NC	5'-GCAGAGAU AUGGCGAGGUCAA-3'
si-MREG	5'-GUGAGACA UCCAAGCUAAA-3'
si-NC	5'-GAACCACACGAUUAGAGTA-3'
B, miR-244-5p mimics and inhibitor sequences	
Name	Sequence
miR-244-5p mimic forward	5'-UCAAGUCACUAGUGGUUCCGUUUAG-3'
miR-244-5p mimic reverse	5'-CUAAACGGAACCACUAGUGACUUGA-3'
miR-244-5p mimic NC forward	5'-UUGUACUACACAAAAGUACUG-3'
miR-244-5p mimic NC	5'-CAGUACUUUUGUGUAGUACAA-3'
miR-244-5p inhibitor	5'-CUAAACGGAACCACUAGUGACUUGA-3'
miR-244-5p inhibitor NC	5'-CAGUACUUUUGUGUAGUACAA-3'
si, small inhibiting; miR, microRNA; NC, negative control; MREG, melanoregulin.	

Table SII. Results from Venn analysis and the Targetscan, miRDB and Starbase databases.

Target name	Score	Rank
MREG	99	1
VGLL3	93	2
MGAT4B	93	3
LCOR	93	4
PRPS2	92	5
H3F3B	92	6
UBN2	92	7
ZBTB20	91	8
AKIRIN1	91	9
NEDD4L	91	10
CORO1C	90	11
HOXA5	90	12
RRAGC	90	13
KPNA4	90	14
OCLN	90	15
RPRD1A	90	16
PYGO1	89	17
POU2F1	89	18
LPP	89	19
NUFIP2	89	20
PTEN	89	21
DPYSL2	89	22
MXRA8	89	23
KAT6A	89	24
ATL3	89	25
USP37	88	26
ZNF618	88	27
SESN3	88	28
CSTF2	88	29
IPO7	88	30
C18orf25	87	31
MAP1B	87	32
CAST	87	33
TMEM168	87	34
ARMCX2	86	35
FAM49B	85	36