

Table S1. Primers

Gene	primer sequence	annealing temperature(°C)
GPER	FORWARD: GGGGAAGAGGCCACCAACAT	59
	REVERSE: CTCACTCTCTGGGTACCTGGGTT	59
GAPDH	FORWARD: AACGGATTTGGTCGTATTG	59
	REVERSE: GGAAGATGGTGTATGGGATT	59
GPER	FORWARD: GGTTTCGTGAGCTACCACCA	60
Promoter 1	REVERSE: ACACGTCTACATTGGGCAGG	60
GPER	FORWARD: CAGAGGGTCACGGCGAATTA	60
Promoter 2	REVERSE: AGTTCATGCAGAGTGGGACG	60

Figure S1

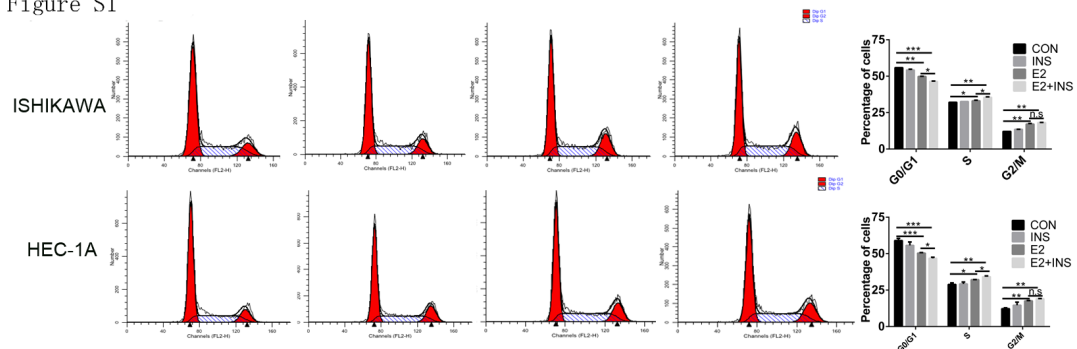


Figure legend

Cell cycle profiles of ISHIKAWA and HEC-1A cells treated by insulin (100nM) and/or E2 (10nM) for 48h. Insulin promoted estrogen-driven cell cycle progression by decreasing the level of G0/G1 phase and increasing the level of S phase significantly. Insulin and estrogen co-treatment increased the level of G2/M phase but not significantly when compared to E2 alone.