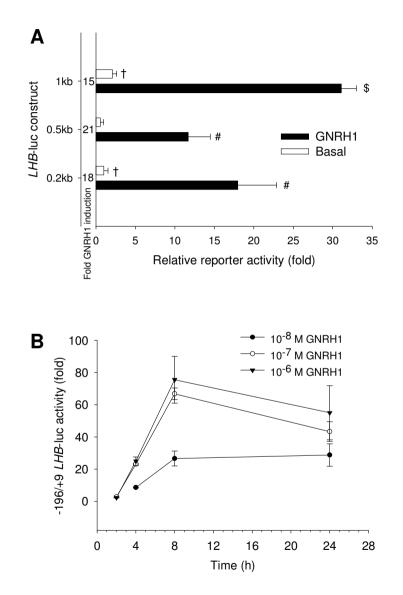
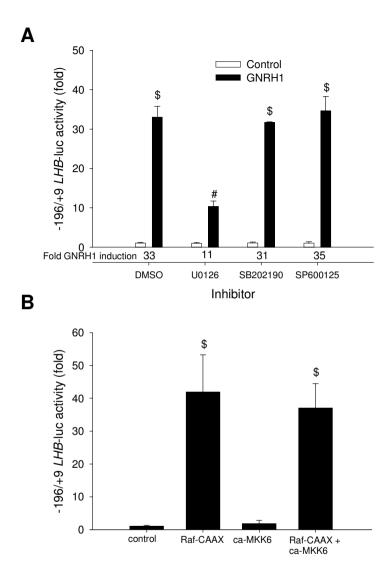
SUPPLEMENTARY FIGURE LEGENDS

<u>Fig. S1</u>: A) L β T2 cells were transfected with 450 ng/well of the indicated *LHB*-luc reporters and treated for 6 h with 10⁻⁷ M GNRH1. Fold induction by GNRH1 for each reporter is indicated at the left of the graph. Bars with different symbols differ significantly. N=3 for all treatments. B) The 0.2 kb *LHB*-luc construct was transfected in L β T2 cells as above. Cells were treated with 10⁻⁸ (closed circles), 10⁻⁷ (open circles) or 10⁻⁶ M (closed triangles) GNRH1 for 2, 4, 8 or 24 hours. N=2 for all treatments. Experiments were repeated three or more times with similar results each time.

<u>Fig. S2</u>: A) LβT2 cells were transfected as in Fig. 2B. After overnight starvation in serumfree DMEM, cells were pre-treated with 5 x 10⁻⁶ M of the MEK inhibitor U0126, 10⁻⁵ M of the p38 inhibitor SB202190 or 2.5 x 10⁻⁵ M of the JNK inhibitor SP600125 for 30 min followed by treatment with 10⁻⁷ M GNRH1 for 6 h. The fold induction by GNRH1 is indicated at the bottom of the graph. B) LβT2 cells were transfected with 450 ng/well 0.2 kb *LHB*-luc reporter and 200 ng/well of constitutively active Raf1 (Raf-CAAX) and/or ca-MKK6 vectors. Bars with different symbols differ significantly. N=3 for all treatments.

Fig. S3: CHO cells were transfected with WT or siRNA-resistant (Res.) forms of Flagtagged EGR1 (A), SF1 (B) or Pitx1 (C), with 10^{-8} M control, *Egr1*, *Sf1* or *Pitx1* siRNAs or 1X siRNA buffer. Whole-cell lysates were collected and subjected to anti-Flag western blot analyses. Arrowhead and asterisk in panel A indicate specific and non-specific bands, respectively.

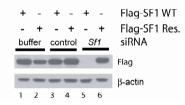






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+ - + - + - - + - + - + buffer control <i>Pitx1</i>	Flag-PITX1 WT Flag-PITX1 Res. siRNA
	Flag
	β-actin