

**Across**

4. nonradioisotope assay
5. catecholaminergic inhibitor of prolactin secretion
7. eicosanoid precursor
9. embryonic testicular glycoprotein that regresses the Mullerian duct system
11. enzymatic pathway inhibited by NSAIDs
13. decapeptide that stimulates gonadotropes
14. forms cAMP from ATP (cyclase)
18. oxytocin-secreting neurons
21. nonapeptide neurohormone that stimulates uterine contractility during labor
22. GnRH surge center (hypothalamic hypophysiotropic area)
26. placental gonadotropin of mares (eCG)
28. degrades cAMP
32. site of translation
33. bone encasing the hypophysis
37. post-translational modification
38. photoresponsive enzyme
39. abortifacient antiprogesterone (RU486)
40. sensitive radioisotope assay
41. hormonal assay criterion of "repeatability"
42. transmembrane receptors that interact with beta (specificity) and alpha (transduction) subunits

**Down**

1. synthesis of mRNA from a DNA template
2. indolamine of the pineal gland
3. embryonic precursor (oral ectoderm) of the anterior pituitary gland (pouch)
6. converts androgens to estrogens
8. hydrophobic product of PIP-2 hydrolysis
10. blood vessels which transport hypothalamic hormones to the adenohypophysis
12. phosphorylates regulatory proteins
15. potent nonaromatizable androgen
16. adrenal steroid hormone (glucocorticoid) involved in labor induction in the farm species
17. precursor of steroid hormones
19. intracellular site of steroid hormone receptor concentration
20. endogenous opiate which inhibits activity of the GnRH tonic center/pulse-generator
22. neural lobe of the pituitary gland
23. luteal hormone that prepares the uterus for pregnancy
24. activates protein kinases of the A-family
25. fate of receptor-bound gonadotropins
26. local modulator
27. calcium-binding protein
29. placental glycoprotein used to detect pregnancy in women
30. 18-carbon steroid hormone
31. inhibited by inhibin
34. stimulates milk synthesis
35. plot used to analyze receptor data
36. relaxes pelvic ligaments in preparation for parturition