

# TRM: Leutenizing Hormone Secreting Cell Line

Tech ID: 19260 / UC Case 1998-005-0

## TECHNOLOGY DESCRIPTION

This cell line expresses the alpha and beta subunits of LH as well as GnRH receptor mRNAs, but not the beta subunit of FSH. Administration of gonadotropin releasing hormone results in the secretion of LH. It provides a unique tool to study the cellular mechanisms involved in gonadotrope function, as well as a model to study the relationship between the control of the cell cycle and the regulation of differentiation.

## STATE OF DEVELOPMENT

This represents tangible research material (TRM) which is available for internal research and/or commercial development.

## RELATED MATERIALS

- ▶ Alarid, E. T., Windle, J. J., Whyte, D. B., and Mellon, P. L. Immortalization of Pituitary Cells at Discrete Stages of Development by Directed Oncogenesis in Transgenic Mice. 1996 Development 122, 3319-3329. - 10/01/1996

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## INVENTORS

- ▶ Mellon, Pamela

## OTHER INFORMATION

### CATEGORIZED AS

- ▶ Research Tools
- ▶ Cell Lines

### RELATED CASES

1998-005-0

## ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ TRM: Novel Thyrotrope Cell Line: T-alpha-T1
- ▶ TRM: Pituitary Progenitor Cell Line (alpha T1-1)