

Luteinizing Hormone Active Protein

Luteinizing Hormone (LH), Human Pituitary Gland

CATALOG #
AAA44840

HOST
Human Pituitary Glands

PRODUCT SYNONYMS

Luteinizing Hormone; Luteinizing Hormone (LH); Human Pituitary Gland; LH; Lutropin; Interstitial cell-stimulating hormone.; Luteinizing Hormone active protein

PRODUCT SPECIFICATIONS

Host	Human Pituitary Glands
Purity/Purification	>= 98% (SDS-PAGE)
Form/Format	Lyophilized from 50mM ammonium bicarbonate
Appearance	White, lyophilized powder.
Reconstitution	Reconstitute using neutral pH buffer of choice. Avoid extreme high and low pH
Contaminants	FSH: 0.002% TSH: <0.1% PRL: 0.002% hGH: <0.001%
Activity	15,600 IU/mg
Handling	Handle as a potentially hazardous substance.
Preparation and Storage	At -20 degree C Note: Protect from moisture. Shipping: Cold Pack

ADDITIONAL INFORMATION

Related Product Information for Luteinizing Hormone active protein

AAA Biotech is the leading supplier of Human Luteinizing Hormone for research and clinical manufacturing.

Technical support, bulk quantities and aliquoting available.

Luteinizing Hormone (LH) also known as lutropin is a heterodimeric glycoprotein. Each monomeric unit is a glycoprotein molecule; one alpha and one beta subunit make the full, functional protein. Luteinizing Hormone is essential for reproduction in both males and females.

According to Labtest online: LH is often used in conjunction with other tests (FSH, testosterone, estradiol and progesterone) in the workup of infertility in both men and women. Luteinizing Hormone levels are also useful in the investigation of menstrual irregularities and to aid in the identification of pituitary disorders or diseases involving the ovaries or testes.

In children, FSH and LH are used to identify delayed and precocious (early) puberty.

Luteinizing Hormone is sometimes measured in relation to gonadotropin releasing hormone (GnRH) to distinguish between primary or secondary disorders involving the hypothalamus, pituitary gland, or the gonads. GnRH is the hormone produced by the hypothalamus that stimulates the pituitary to release LH and FSH. For this test, a baseline blood sample is drawn and then the patient is given an injection of GnRH. Subsequent blood samples are drawn at specified times and the level of LH is measured. This test can help differentiate between disease of the ovaries or testes (primary) and a disorder of the pituitary or hypothalamus (secondary).

NCBI AND UNIPROT INFORMATION

Molecular Weight

~26,000

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-pituitary-glands-active-protein/luteinizing-hormone/44840>