

# Recombinant Human Luteinizing Hormone Protein, Full Length

**Cat. No.** LH-13HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length human LH ( $\alpha$ - & $\beta$ -Subunits) produced in HEK 293 cells                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Full Length                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Luteinizing hormone (LH) is a glycoprotein hormone that is co-secreted along with follicle-stimulating hormone by the gonadotrophin cells in the adenohypophysis (anterior pituitary). Luteinizing hormone is a part of a neurological pathway comprised of the hypothalamus, the pituitary gland, and gonads. |
| <b>Form</b>             | White powder                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | $\geq 95\%$ by SDS-PAGE                                                                                                                                                                                                                                                                                        |
| <b>Notes</b>            | This product is not considered a biohazard. Handle using normal laboratory procedures.                                                                                                                                                                                                                         |
| <b>Usage</b>            | For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.                                                                                                                                                                                                                            |
| <b>Storage</b>          | On arrival, store refrigerated at 2 centigrade to 8 centigrade short term (up to 2 weeks) or frozen below -15 centigrade. After reconstituting, store frozen in small                                                                                                                                          |

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aliquots. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Lyophilized from 50 mM ammonium bicarbonate.

## GENE INFORMATION

**Official Symbol** LH

### Synonyms

LHB; luteinizing hormone subunit beta; CGB4; HH23; LSH-B; LSH-beta; lutropin subunit beta; interstitial cell stimulating hormone, beta chain; luteinizing hormone beta polypeptide; luteinizing hormone beta subunit; lutropin beta chain; CGA; glycoprotein hormones, alpha polypeptide; HCG; LHA; FSHA; GPA1; GPHa; TSHA; GPHA1; CG-ALPHA; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; anterior pituitary glycoprotein hormones common subunit alpha; choriogonadotropin alpha chain; chorionic gonadotrophin subunit alpha; chorionic gonadotropin, alpha polypeptide; follicle-stimulating hormone alpha chain; follicle-stimulating hormone alpha subunit; follitropin alpha chain; luteinizing hormone alpha chain; lutropin alpha chain; thyroid-stimulating hormone alpha chain; thyrotropin alpha chain

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