# Recombinant Human LHB Overexpression Cell Lysate

**Cat. No.** LHB-1522HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Transient overexpression lysate of luteinizing hormone beta polypeptide (LHB) |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | This gene is a member of the glycoprotein hormone beta chain family and encodes the beta subunit of luteinizing hormone (LH). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. LH is expressed in the pituitary gland and promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. The genes for the beta chains of chorionic gonadotropin and for luteinizing hormone are contiguous on chromosome 19q13.3. Mutations in this gene are associated with hypogonadism which is characterized by infertility and pseudohermaphroditism. |
| **Form** | 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT) |
| **Molecular Mass** | 15.35 kDa |
| **Storage** | Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze- |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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## GENE INFORMATION

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| **Gene Name** | LHB luteinizing hormone beta polypeptide [ Homo sapiens ] |
| **Official Symbol** | LHB |
| **Synonyms** | LHB; luteinizing hormone beta polypeptide; lutropin subunit beta; CGB4; hLHB; interstitial cell stimulating hormone; beta chain; LSH B; luteinizing hormone beta subunit; lutropin; LSH-beta; lutropin beta chain; interstitial cell stimulating hormone, beta chain; LSH-B; |
| **Gene ID** | 3972 |
| **mRNA Refseq** | NM_000894 |
| **Protein Refseq** | NP_000885 |
| **UniProt ID** | P01229 |

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