Recombinant Human LHB protein, His & T7-tagged

Cat. No. LHB-7909H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LHB aa. (Glu23~Leu141 (Accession # P01229)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu23~Leu141
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

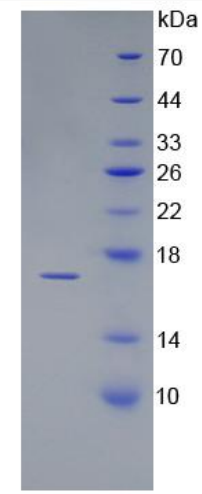
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Purity	>95%
Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	LHB luteinizing hormone beta polypeptide [Homo sapiens (human)]
Official Symbol	LHB
Synonyms	LHB; luteinizing hormone beta polypeptide; CGB4; HH23; LSH-B; LSH-beta; lutropin subunit beta; interstitial cell stimulating hormone, beta chain; luteinizing hormone beta subunit; lutropin beta chain

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Gene ID	3972
mRNA Refseq	NM_000894.2
Protein Refseq	NP_000885.1
UniProt ID	P01229
SDS-PAGE	

15% SDS-PAGE

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