EMPOWER YOUR RESEARCH

## Product datasheet for RC216028L2

## Luteinizing Hormone beta (LHB) (NM_000894) Human Tagged Lenti ORF Clone

## Product data:

Product Type:
Product Name:
Tag:
Symbol:
Synonyms:
Mammalian Cell
Selection:
Vector:
E. coli Selection:

ORF Nucleotide
Sequence:
Restriction Sites:
Cloning Scheme:

## Expression Plasmids

Luteinizing Hormone beta (LHB) (NM_000894) Human Tagged Lenti ORF Clone
mGFP
Luteinizing Hormone beta
CGB4; HH23; LSH-B; LSH-beta
None
pLenti-C-mGFP (PS100071)
Chloramphenicol ( $34 \mathrm{ug} / \mathrm{mL}$ )
The ORF insert of this clone is exactly the same as(RC216028).

Sgfl-Mlul

Cloning sites used for ORF Shuttling:

Pmel


* The last codon before the Stop codon of the ORF.
ACCN:
ORF Size:
NM_000894
423 bp

OTI Disclaimer:

OTI Annotation:

Reconstitution Method: 1. Centrifuge at $5,000 \mathrm{xg}$ for 5 min .

## RefSeq:

RefSeq Size:
RefSeq ORF: 426 bp
Locus ID: 3972
UniProt ID: $\quad \underline{\text { P01229 }}$
Cytogenetics: 19q13.33
Protein Families:
Protein Pathways:
MW:
Gene Summary:
$\begin{array}{ll}\text { Components: } & \text { The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube } \\ \text { containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with } 100 \text { ul of water). }\end{array}$ The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube
containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
2. Carefully open the tube and add 100 ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000 xg ) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at $-20^{\circ} \mathrm{C}$. The DNA is stable for at least one year from date of shipping when stored at $-20^{\circ} \mathrm{C}$.
NM 000894.2
523 bp
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Druggable Genome, Secreted Protein
GnRH signaling pathway, Neuroactive ligand-receptor interaction
15.35 kDa

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. [provided by RefSeq, Jul 2008]

## Product images:



