

## Product datasheet for **RG222666**

### FSH beta (FSHB) (NM\_000510) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FSH beta (FSHB) (NM\_000510) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FSH beta  
**Synonyms:** HH24  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG222666 representing NM\_000510  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGACACTCCAGTTTTTCTTCCTTTCTGTTGCTGGAAAGCAATCTGCTGCAATAGCTGTGAGCTGA  
 CCAACATCACCATTGCAATAGAGAAAGAAGAATGTCGTTTCTGCATAAGCATCAACACCACTTGGTGTGC  
 TGGCTACTGCTACACCAGGGATCTGGTGTATAAGGACCCAGCCAGGCCAAAATCCAGAAAACATGTACC  
 TTCAAGGAAGTGTATACGAAACAGTGAGAGTGCCCGGCTGTGCTCACCATGCAGATTCTTGTATACAT  
 ACCCAGTGCCACCCAGTGTCACTGTGGCAAGTGTGACAGCGACAGCACTGATTGTACTGTGCGAGGCCCT  
 GGGGCCAGCTACTGCTCCTTTGGTGAATGAAAGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222666 representing NM\_000510  
 Red=Cloning site Green=Tags(s)  
 MKTLQFFFLFCCWKAICCNSELNITIAIEKEECRFCISINTTWCAGYCYTRDLVYKDPARPKIQKTCT  
 FKELVYETVRVPGCAHHADSLYTPVATQCHCGKCDSDSTDCTVRGLGPSYCSFGEMKE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_000510

**ORF Size:** 387 bp

**OTI Disclaimer:** 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](#)

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

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul 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 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

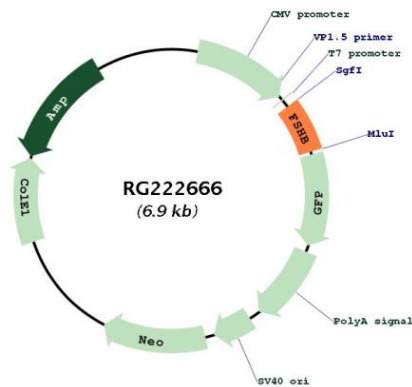
**RefSeq:** [NM\\_000510.4](#)

**RefSeq Size:** 1936 bp

**RefSeq ORF:** 390 bp

**Locus ID:** 2488  
**UniProt ID:** [P01225](#)  
**Cytogenetics:** 11p14.1  
**Protein Families:** Druggable Genome, Secreted Protein  
**Protein Pathways:** GnRH signaling pathway, Neuroactive ligand-receptor interaction  
**Gene Summary:** The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of an identical alpha subunit and a hormone-specific beta subunit. This gene encodes the beta subunit of follicle-stimulating hormone. In conjunction with luteinizing hormone, follicle-stimulating hormone induces egg and sperm production. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG222666