

Product datasheet for **RG216134**

hCG beta (CGB8) (NM_033183) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: hCG beta (CGB8) (NM_033183) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: hCG beta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG216134 representing NM_033183
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGATGTTCCAGGGGCTGCTGCTGTTGCTGCTGCTGAGCATGGGCGGGACATGGGCATCCAAGGAGC
CGCTTCGGCCACGGTGCCGCCCATCAATGCCACCCTGGCTGTGGAGAAGGAGGGCTGCCCGTGTGCAT
CACCGTCAACACCACCATCTGTGCCGGCTACTGCCACCACATGACCCGCGTGTGCAGGGGTCTGCCG
GCCCTGCCTCAGGTGGTGTGCAACTACCGCATGTGCGCTTCGAGTCCATCCGGTCCCTGGCTGCCCCG
GCGGCGTGAACCCCGTGGTCTCCTACGCGTGGCTCTCAGCTGTCAATGTGCACTCTGCCGCCGAGCAC
CACTGACTGCGGGGTCCCAAGGACCACCCTTGACCTGTGATGACCCCGCTTCCAGGACTCCTCTTCC
TCAAAGGCCCTCCCCGAGCCTTCCAAGTCCATCCCGACTCCCGGGGCCCTCGGACACCCCGATCCTCC
CACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216134 representing NM_033183
Red=Cloning site Green=Tags(s)

MEMFQGLLLLLLSMGGTASKEPLRPRCRPINATLAVEKEGCPVCITVNTTICAGYCPTMTRVLQGVLP
ALPQVVCNYRDVRFESIRLPGCPRGVNPVVSVAVALSCQCALCRRSTTDCGGPKDHLPTCDDPRFQDSSS
SKAPPPSLPSPRLPGSDTPILPQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_033183

ORF Size: 495 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_033183.1](#), [NP_149439.1](#)

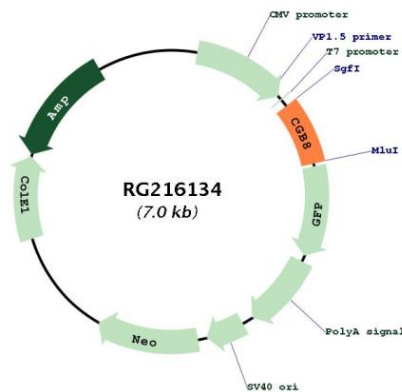
RefSeq Size: 880 bp

RefSeq ORF: 498 bp

Locus ID: 94115

UniProt ID:	P01233
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 8 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG216134