

## Product datasheet for **SC319883**

### hCG beta (CGB7) (NM\_033142) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** hCG beta (CGB7) (NM\_033142) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** hCG beta  
**Synonyms:** CG-beta-a; CGB6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_033142.1  
 GAATGGCTCAAGTAGAGGAGAGTTGAGGCTTCAGTCCAGCACTTTTCTCGGGTCACGGCC  
 TCCTCCTGGTTCCCAAGACCCACCATAGGCAGAGGCAGGCCCTTCTACACCTACTCTC  
 TGTGCCTCCAGCCTCGACTAGTCCCTAACACTCGACGACTGAGTCTCAGAGGTCACCTCA  
 CCGTGGTCTCCGCCTCATCCTTGCGCTAGACCACTGAGGGGAGAGGACTGGGGTCTCC  
 GCTGAGCCACTCCTGTGCCTCCCTGGCCTTGTCTACTTCTCGCCCCCAAGGGTTAGTG  
 TCGAGCTCACTCCAGCATCTACAACCTCCTGGTGGCCTTGCCGCCCCACAACCCGAG  
 GTATAAAGCCAGGTACACCAGGCAGGGGACGCACCAAGGATGGAGATGTTCCAGGGGCTG  
 CTGCTGTTGCTGCTGCTGAGCATGGGCGGACATGGGCATCCAAGGAGCCGCTTCGGCCA  
 CGGTGCCGCCCATCAATGCCACCCTGGCTGTGGAGAAGGAGGGCTGCCCGTGTGCATC  
 ACCGTCAACACCACCATCTGTGCCGGCTACTGCCCCACCATGACCCGCGTGTGCAGGGG  
 GTCCCTGCCGGCCCTGCCTCAGGTGGTGTGCAACTACCCGATGTGCGCTTCGAGTCCATC  
 CGGCTCCCTGGCTGCCCGCGCGGCTGAACCCCGTGGTCTCTACGCCGTGGCTCTCAGC  
 TGTCAATGTGCACTCTGCCGCCGAGCACCCTGACTGCGGGGGTCCCAAGGACCACCC  
 TTGACCTGTGATGACCCCGCTTCAGGCCTCCTCTTCTCAAAGGCCCTCCCCCAGC  
 CTTCAAGTCCATCCCGACTCCCGGGCCCTCGGACACCCGATCCTCCACAATAAAGG  
 CTTCTCAATCCGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_033142  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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|-------------------------------|--|
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_033142.1</a> , <a href="#">NP_149133.1</a>  |
| <b>RefSeq Size:</b>           | 880 bp   |
| <b>RefSeq ORF:</b>            | 498 bp   |
| <b>Locus ID:</b>              | 94027  |
| <b>UniProt ID:</b>            | <a href="#">P01233</a>   |
| <b>Cytogenetics:</b>          | 19q13.33   |
| <b>Protein Families:</b>      | Druggable Genome, Secreted Protein   |
| <b>Gene Summary:</b>          | <p>This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 7 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> |