

## Product datasheet for **SC126172**

### hCG beta (CGB8) (NM\_033183) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hCG beta (CGB8) (NM_033183) Human Untagged Clone
Tag:	Tag Free
Symbol:	hCG beta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_033183 edited</p> <pre>GCCTCCTCCTGGCTTCCAAGACCCACCATAGGCAGAGGCAGGCCTTCTACACCCTACT CCCTGTGCCTCCAGCCTCGACTAGTCCCTAGCACTCGACGACTGAGTCTCTGAGGTCACT TCACCGTGGTCTCCGCCTCACCTTGCCGCTGGACCACTGAGGGGAGAGGGCTGGGGCGC TCCGCTGAGCCACTCCTGAGCCCCCTGGCCTTGCTACCTTTGCCCCCAAGGGGTTA GTGTGCGAGCTACCCCAGCATCCTACCACCTCCTGGTGGCCTTGCCGCCCCACACCCC GAGGTATAAAGCCAGGTACACGAGGCAGGGGACGCACCAAGGATGGAGATGTTCCAGGGG CTGCTGCTGTTGCTGCTGCTGAGCATGGGCGGGACATGGGCATCCAAGGAGCCGCTTCGG CCACGGTGCCGCCCATCAATGCCACCTGGCTGTGGAGAAGGAGGGCTGCCCGTGTGC ATCACCGTCAACACCACCATCTGTGCCGCTACTGCCCCACCATGACCCGCGTGTGCAG GGGGTCTGCCGGCCCTGCCTCAGGTGGTGTGCAACTACCGCATGTGCGCTTCGAGTCC ATCCGGCTCCCTGGCTGCCCGCGCGCGTGAACCCCGTGGTCTCCTACGCGTGGCTCTC AGCTGTCAATGTGCACTCTGCCCGCGCAGCACTGACTGCGGGGTCCCAAGGACCAC CCCTTGACCTGTGATGACCCCGCTTCCAGGACTCCTCTTCTCAAAGGCCCTCCCGG AGCCTTCAAAGTCCATCCCGACTCCCGGGCCCTCGGACACCCCGATCCTCCACAATAA AGGCTTCTCAATCCGCAAAAAAAAAAAAAAAAAAAAAA</pre>



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033183 unedited</p> <pre>CCGGCCGTCGNGATTTGTAATACGACTTCACTATAGGCGGCCGCAATTCGCACGAGGC CTCCTCCTGGCTTCCAANACCCACCGGGGAGAGGGAGGCCCTTCTACACCCCTACTCCC TGTGCCTCCAGCCTCGACTAGTCCCTAGCACTCGACGACTGAGTCTCTGAGGTCACTTCA CCGTGGTCTCCGCCTCACCTTGGCGCTGGACCACTGAGGGGAGAGGGCTGGGGCGCTCC GCTGAGCCACTCCTGAGCCCCCTGGCCTTGTCTACCTTTGCCCCCAAGGGGTTAGTG TCGAGCTCACCCAGCATCCTACCACCTCCTGGTGGCCTTGCCGCCCCCAACAACCCCGAG GTATAAGCCAGGTACACGAGGCAGGGGACGCACCAAGGATGGAGATGTTCCAGGGGCTG CTGCTGTTGCTGCTGCTGAGCATGGCGGGACATGGGCATCCAAGGAGCCGCTTCGGCCA CGGTGCCGCCCATCAATGCCACCCTGGCTGTGGAGAAGGAGGGCTGCCCGTGTGCATC ACCGTCAACACCACCATCTGTGCCGGCTACTGCCCCACCATGACCCGCGTGTGCAGGGG GTCCTGCCGGCCCTGCCTCAGGTGGTGTGCAACTACCGCATGTGCGCTTCGAGTCCATC CGGCTCCCTGGCTGCCCGCGGGCTGGACCCCGGGTCTCTACGCGTGGCTCTCAGC TGTC AATGTGCACTCTGCCGGCCCAACACCACTGACTGCCGGGTCCCAAGGGCCACCC TTGGACCTGTGAGGACCCCGGCTTCCGGACTTCTTTTCTGAAGGCGCCTCCCCGACC TTCCAAGGGCCTCCCGGATCCCGGGCCTCGGCACCCGATCTCCACATAAAGGCTT</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033183
<b>OTI Disclaimer:</b>	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).
<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_033183.1</a> , <a href="#">NP_149439.1</a>
<b>RefSeq Size:</b>	880 bp
<b>RefSeq ORF:</b>	498 bp
<b>Locus ID:</b>	94115
<b>UniProt ID:</b>	<a href="#">P01233</a>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

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]