

## Product datasheet for **SC313086**

### Inhibin beta C chain (INHBC) (NM\_005538) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inhibin beta C chain (INHBC) (NM_005538) Human Untagged Clone
Tag:	Tag Free
Symbol:	INHBC
Synonyms:	IHBC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_005538 edited  
 ATGACCTCCTCATTGCTTCTGGCCTTTCTCCTCCTGGCTCCAACCACAGTGGCCACTCCC  
 AGAGCTGGCGGTCAAGTGTCCAGCATGTGGGGGGCCACCTTGGAACTGGAGAGCCAGCGG  
 GAGCTGCTTCTTGATCTGGCCAAGAGAAGCATCTTGACAAGCTGCACCTCACCCAGCGC  
 CCAACTGAACCGCCCTGTGTCCAGAGCTGCTTTGAGGACTGCACTGCAGCACCTCCAC  
 GGGTCCCACAGGGGGCACTTCTAGAGGACAACAGGGAACAGGAATGTGAAATCATCAGC  
 TTTGCTGAGACAGGCCTCTCCACCATCAACCAGACTCGTCTTGATTTTCACTTCTCCTCT  
 GATAGAACTGCTGGTGACAGGGAGGTCCAGCAGGCCAGTCTCATGTTCTTTGTGCAGCTC  
 CCTTCCAATACCACTTGGACCTTAAAAGTGAGAGTCTTTGTGCTGGGTCCACATAATACC  
 AACCTCACCTTGGCTACTCAGTACCTGCTGGAGGTGGATGCCAGTGGCTGGCATCAACTC  
 CCCCTAGGGCCTGAAGCTCAAGCTGCCTGCAGCCAGGGGCACCTGACCCTGGAGCTGGTA  
 CTGAAGGCCAGGTAGCCAGAGCTCAGTCATCCTGGGTGGAGCTGCCCATAGGCCTTTT  
 GTGGCAGCCCGGTGAGAGTTGGGGCAAACACCAGATTACCGACGAGGCATCGACTGC  
 CAAGGAGGGTCCAGGATGTGCTGTGCGACAAGAGTTTTTTGTGGACTTCCGTGAGATTGGC  
 TGGCAGACTGGATCATCCAGCCTGAGGGCTACGCCATGAACTTCTGCATAGGGCAGTGC  
 CCACTACACATAGCAGGCATGCCTGGTATTGCTGCCTCTTTCACTGCAGTGTCAAT  
 CTTCTCAAGGCCAACACAGCTGCAGGCACCACTGGAGGGGGCTCATGCTGTGTACCCAGC  
 GCCCAGCGCCCTGTCTGTCTATTATGACAGGGACAGCAACATTGTCAAGACTGAC  
 ATACCTGACATGGTAGTAGAGGCCTGTGGGTGCAGTTAG



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005538 unedited AGATTTTGTATACGACTACTATAGGGCGGCCGGAATCGGCACCAGGCCAGCTGGACACA CACTTCTTCCAGGGCCTCTGGCAGCCAGGACAGAGTTGAGACCACAGCTGTTGAGACCCT GAGCCCTGAGTCTGTATTGCTCAAGAAGGGCCTCCCCAGCAATGACCTCCTCATTGCTT CTGGCCTTCTCCTCCTGGCTCCAACCACAGTGGCCACTCCCAGAGCTGGCGGTCAAGTGT CCAGCATGTGGGGGGCCACCTTGAAGTGGAGAGCCAGCGGGAGCTGCTTCTTGATCTG GCCAAGAGAAGCATCTTGACAAGCTGCACCTCACCCAGCGCCCAACACTGAACCGCCCT GTGTCCAGAGCTGCTTTGAGGACTGCACTGCAGCACCTCCACGGGGTCCCACAGGGGCA CTTCTAGAGGACAACAGGGAACAGGAATGTGAAATCATCAGCTTTGCTGAGACAGGCCTC TCCACCATCAACCAGACTCGTCTTGATTTTCACTTCTCCTCTGATAGAACTGCTGGTGAC AGGGAGGTCCAGCAGGCCAGTCTCATGTTCTTTGTGCAGCTCCCTTCCAATACCACTTGG ACCTTGAAAGTGAGAGTCTTGTGCTGGGTCCACATAATACCAACCTCACCTTGGCTACT CAGTACCTGCTGGAGGTGGATGCCAGTGGCTGGCATCACTCCCCCTAGGGCCTGAAGCT CAAGCTGCCTGCAGCCCAGGGCACCTGACCTGGAGCTGGTACTTGAAGGCCAGGTAGCC CCAGAGCTCAGTCATCCTGGGTGGAGCTGCCCATAGGCCTTTTGTGGCAGCCCCGGTGAG AAGTGGTGCAAACACCAGATTCACCGCAGGCTCGACTGCCAAAGAGGTCCAGGAGTGT GTCGACAGAGTTTTTGGGACTCCCGAAATAGCTTGCCGACTG
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' genomic read for NM_005538 unedited ATCTATGNNACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTAA TGCTGATCCTGTTTTATTTAAAAGTAGGCTATTTTGTTCATCATGGATTTTTTGCATTA ATTTTGACTTTAAAATAATATTGCATTAAGTCCTATCTTGATTAATAAATTGTTACCA CCCCCTTAAAATTTAGCCCCCAGGTGAATGACTCACTTTGCTTTACCCAGTCCTAGC CCTGGAGACTAAGCTGTAATTGGGAAGGAGTTAGATCTGGGGGTCGGGGATGTGTGGGG GAGACACCAGAAGGCCTCCTTAGATTCTCCTTAGATGAAGGTCTCCTCAAGTCAAAGGTG GGATAACTTCCATGGGTTGCTCAGGAAGCCCTCAAGCTCAGATTTACAGTCCCCCAGGCA GTCCTTTTTCAGACTTTCTCCTCTAGGGTTCCTATTTTCAGGGACCTTACCCTCATAGGA GGGGGTCAATAACTGAGCAAACACAGACATCACGTTTACCAAAGAACACATGGGTTTTGC GCAAACCTGGCCTTGGGCTGCAGACATTATCGACCTCATGGTTCAGGACTGTCCAGCCAA AGGGAGANATGTGGGGGAGGACGGGCAAAGGTCTANAAGGACCCAGTCTCAGAGCAATG CCACCCTCTNNCTCATCCAGCCTTCTCTTCTTCTGTCCTCCACTCCAGCAGCCCTTTG ATTTCCAGCTTNCAGCAGGACTCCTGGGTGGAGCACTGGNGGGTNTGAAAAGGAAGCAA GTCAAAGTTCTGGCAANCAGCTCTGAGCATGCCTCTGCCTCCACACTTGCGTGCCAC AGCTGGTCAGGTTACTTATGAACAAGCTAGATCTGTCTCATCTTTTGGAGGGATTACGA AGGNAACAGTTAGCCCTAGTTTTTATTACCATGAGACCTCAAGATGGTTCTGAAGGATGA AGGGAGGGGTGCCTA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005538
<b>Insert Size:</b>	3300 bp
<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>OTI Annotation:</b>	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. These result in the substitution of 1 aa.
<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).

**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\\_005538.2](#), [NP\\_005529.1](#)

**RefSeq Size:** 1990 bp

**RefSeq ORF:** 1059 bp

**Locus ID:** 3626

**UniProt ID:** [P55103](#)

**Cytogenetics:** 12q13.3

**Domains:** TGF-beta

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

**Gene Summary:** This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate a subunit of homodimeric and heterodimeric activin complexes. The heterodimeric complex may function in the inhibition of activin A signaling. Transgenic mice overexpressing this gene exhibit defects in testis, liver and prostate. [provided by RefSeq, Aug 2016]