

## Product datasheet for **SC303145**

### Inhibin beta B (INHBB) (NM\_002193) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inhibin beta B (INHBB) (NM_002193) Human Untagged Clone
Tag:	Tag Free
Symbol:	Inhibin beta B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002193 edited  
 ACTCGGCTCGCCTCGCGGCGGGCGCCCTCGTCGCCAGCGGCGCACCATGGACGGGCTGCC  
 CGGTGGGGCGCTGGGGGCGCCTGCCTTCTGCTGCTGGCGGCGGCTGGCTGGGGCTGA  
 GGCCTGGGGCTCACCCACGCCCCCGCCGACGCCTGCCGCGCAGCCGCCACCCCGCCACC  
 CGGATCCCCGGGTGGCTCGCAGGACACCTGTACGTCGTGCGGCGGCTTCCGGCGGCCAGA  
 GGAGCTCGGGCCGAGTGGACGGCGACTTCTTGAGGCGGTGAAGCGGCACATCTTGAGCCG  
 CCTGCAGATCGGGGCGGCCAACATCACGCACGCCGTGCCTAAGGCCGCCATGGTCCAC  
 GGCCCTGCGCAAGCTGCACGCGGGCAAGGTGCGCGAGGACGGCCGCTGGAGATCCCGCA  
 CCTCGACGGCCACGCCAGCCCGGCGCCGACGGCCAGGAGCGCGTTTTCCGAAATCATCAG  
 CTTGCGCGAGACAGATGGCCTCGCCTCCTCCCGGGTCCGCCTATACTTCTTCATCTCAA  
 CGAAGGCAACCAGAACCTGTTTGTGGTCCAGGCCAGCCTGTGGCTTACCTGAAACTCCT  
 GCCCTACGTCCTGGAGAAGGGCAGCCGGCGGAAGGTGCGGGTCAAAGTGTACTTCCAGGA  
 GCAGGGCCACGGTGACAGGTGGAACATGGTGGAGAAGAGGGTGGACCTCAAGCGCAGCGG  
 CTGGCATACTTCCCCTCACGGAGGCCATCCAGGCCCTTGTGAGCGGGGCGAGCGGGC  
 ACTCAACCTAGACGTGCAGTGTGACAGCTGCCAGGAGCTGGCCGTGGTGGCGGTGTTCTGT  
 GGACCCAGGCGAAGAGTGCACCCGGCCCTTGTGGTGGTGCAGGCTCGGCTGGGGCAGAC  
 CAGGCACCGCATTGCAAGCGAGGCCTGGAGTGCATGGCCGGACCAACCTCTGTTGCAG  
 GCAACAGTTCTTTCATTGACTTCCGCCTCATCGGCTGGAACGACTGGATCATAGCACCCAC  
 CAGCTACTACGGAACTACTGTGAGGGCAGCTGCCCAGCCTACCTGGCAGGGGTCCCCGG  
 CTCTGCCTCCTCCTTCCACACGGCTGTGGTGAACAGTACCGCATGCGGGGTCTGAACCC  
 CGGCACGGTGAACCTCTGCTGCATTCCCACCAAGCTGAGCACCATGTCCATGCTGTACTT  
 CGATGATGAGTACAACATCGTCAAGCGGGACGTGCCAACATGATTGTGGAGGAGTGGCG  
 CTGGCCCTGACAGTGAAGGCAGGGGACGGTGGTGGGGCAGGAGGGCAGTCCCCGGGTG  
 GGCTTCTTCCAGCCCCCGGGGAACGGGGTACACGGTGGCTGAGTACAGTCATTCTGT  
 TGGGCTGTGGAGATAGTCCAGGGTGGCCCTGAGATATTTTTCTACAGTTCATAGAGC  
 AACAGTCAAAACCAGAGCGAGAACCCTCAACTGACATGAAATACTTTAAATGCACACG  
 TAGCCACGCACAGCCAGACGCATCCTGCCACCCACACAGCAGCCTCCAGGATACCAGCAA  
 ATGGATGCGGTGACAAATGGCAGCTTAGCTACAAATGCCTGTGAGTGGAGAGAATGGGG  
 TGAGCAGCCACCATTCCCACAAGCTGGCCCGGCCACTCTGAATTGCGCCTTCCGAGCACA  
 CATAAAAGCACAAAGACAGAGACGCAGAGAGAGAGAGAGGCCACGGAGAGGAAAAGCAG  
 ATGCAGGGGTGGGAGCGCAGCTCGGCGGAGGCTGCGTGTGCCCGTGGCTTTTACCAGG  
 CCTGCTCTGCCTGGCTCGATGTCTGCTTCTTCCCAGCCTGGGATCCTTGTGCTTCAAG  
 GCCTGGGAGCCTGTCCTTCCATGCCCTTGTGAGGAAAAGAGACCCAGAAAAGGACACAA  
 CCCGTCAGAGACCTGGGAGCAGGGGCAATGACCGTTTACTGTTTGTGGCTTGGGCTCT  
 GACATGACTTATGTGTGTGTGTGTTTTTGGGGTGGGGAGGGAGAGAGAAGAGGGGGCT  
 AAATTTGATGCTTTAACTGATCTCCAACAGTTGACAGGTATCCTTGGCAGTTGTATAAC  
 TGAAAAAGGACTTTTCTACCAGGTATGACCTTTAAGTAAAAATCTGAATTGTTCTAAAT  
 GGAAGAAAAAAGTTGCAATCTGTGCCCTTATTGGGGACATTCTCTAGGACTGGTTT  
 GGGGACGGGTGGGAGTGACCCCTAGGCAAGGGGATGAGACCGCAGGAGGAAATGGCGGGG  
 AGGAGGCATTCTTGAAGTCTGAGGATGGGGGTGTCCTCAGCGGAGGCCAAGGGAGG  
 GGAGCAGCCTAGTTGGTCTTGGAGAGATGGGGAAGGCTTTCAGCTGATTTGCAGAAGTTG  
 CCCATGTGGGCCCCAGCCATCAGGGCTGGCCGTGGACGTGGCCCTGCCACTCACCTGC  
 CCGCCTGCCCGCCGCCAGCATAGCACTTGCAGACCTGCCTGAACGCACATGACATAGCA  
 CTTGCCGATCTGCGTGTGTCCAGAAGTGGCCCTTGGCCGAGCGCCGAACTCGCTCGCCCT  
 CTAGATGTCCAAGTGCACGTGAACTATGCAATTTAAAGGGTTGACCCACTAGACGAA  
 ACTGGACTCGTACGACTTTTTATATTTTTTATACTTGAATGAAATCCTTTGCTTCTT  
 TTTAAGCGAATGATTGCTTTAATGTTTGCAGTATTTAGTTGCATGATTAGTCAGAAA  
 CTGCCATTTGAAAAAAGTTATTTTTATAGCAGCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002193

<b>Insert Size:</b>	2800 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>	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>	<u><a href="#">NM_002193.1</a></u> , <u><a href="#">NP_002184.1</a></u>
<b>RefSeq Size:</b>	3516 bp
<b>RefSeq ORF:</b>	1224 bp
<b>Locus ID:</b>	3625
<b>UniProt ID:</b>	<u><a href="#">P09529</a></u>
<b>Cytogenetics:</b>	2q14.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway
<b>Gene Summary:</b>	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 the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. Polymorphisms near this gene are associated with pre-eclampsia in female human patients. [provided by RefSeq, Aug 2016]