

## Product datasheet for **MG225191**

### Inhbb (NM\_008381) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbb (NM_008381) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Inhbb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225191 representing NM_008381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGGGTGCCCGGTTCGGGCGTTGGGGCCGCCTGCCTTCTGCTCCTGGTGGCCGGCTGGTTGGGAC  
CCGAGGCTGGGGCTCTCCACACCCCCGCGTCGCCCGTCCCGCCCGCCCGCCCGCCCGCCCGCCCGGAGC  
TCCGGTGGTTCGCAGGACACCTGTACGTGCGGTGGCGGGCGCGCGGCTTCCGGCGCCGGAGGAG  
CTGGCCCGGTGGACGGTGACTTCTGGAGGCGGTGAAGAGACACATCTGAGCCGCTGCAGTTGCGGG  
GCCGGCCCAACATCACGCACGCTGTCCCAAGGCCCATGGTACGCCCTGCGCAAGTCACGCCGG  
CAAGGTGCGCGAGGACGGCCGCGTGGAGATCCCGCACCTCGACGCCACGCCAGCCGGGCGCCGACGGC  
CAGGAGCGGTCTCCGAGATCATCAGCTTTCAGAGACAGATGGCCTCGCCTCCTCCCGGTCCGCTGT  
ACTTCTCGTCTCTAATGAAGGCAACCAGAACCTATTCGTGGTGCAGGCCAGCCTGTGGCTGTACCTGAA  
ACTGCTCCCTATGCTCTGGAGAAGGCGAGCAGGAGGAAGGTACGGTCAAGGTGACTTCCAAGAACAG  
GGTACGGAGACAGGTGGAATGTGGTGGAGAAGAAGGTGGACCTGAAACGTAGCGGCTGGCATACTTTC  
CCATCACAGAGGCCATCCAGGCTTGTGGAGCGAGGGGAGAGACGCCTAACCTGGATGTGCAGTGTGA  
CAGCTGCCAGGAGCTGGCCGTGGTGCCTGTGTTCTGGACCCGGTGAGGAGTACACAGGCCCTTTGTA  
GTGGTGCAGGCCCGCCTGGGCGATAGCAGACATCGCATCCGAAACGGGGCTAGAGTGTGATGGCGGA  
CCAGCCTCTGTTGACGGCAACAGTCTTCATCGACTTTCGGCTCATCGGCTGGAACGACTGGATCATTCG  
GCCACTGGTACTACGGAACTACTGTGAGGGCAGCTGCCCGCCTATCTGGCCGGGTCCCTGGCTCA  
GCTTCTCCTTCCACACAGCCGTGGTGAACAGTACCGCATGCGTGGCCTGAACCCTGGGCCGTGAACT  
CTTGCTGCATCCCTACCAAGCTGAGCTCCATGTCCATGCTCTACTTTGATGACGAGTACAACATTGTCAA  
CGGGATGTGCCCAACATGATCGTGGAGGAGTGTGGCTGCGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG225191 representing NM\_008381  
Red=Cloning site Green=Tags(s)

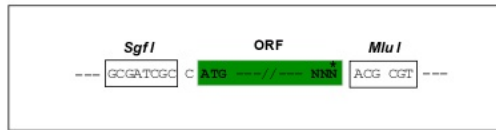
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MDGLPGRALGAACLLLLVAGWLGPEAWGSPTPPPSAAPPPPPPGAPGGSQDTCTSCGGGGGGFRRPEE
LGRVDGDFLEAVKRHILSRLQLRGRPNITHAVPKAAMVTALRKLHAGKVREDGRVEIPHLDGHASPGADG
QERVSEIISFAETDGLASSRVRLYFFVSNENQNLFFVQASLWL YLKLPPYVLEKGSRRKVRVKVYFQEQ
GHGDRWNVVEKKVDLKRSGWHTFPITEAIQALFERGERRLNLDVQCDSCQELAVVPVFVDPGEESHPRFV
VVQARLGDSRHRIRKRGLECDGRTSLCCRQFFIDFRLIGWNDWIIAPTGYGNYCEGSCPAYLAGVPGS
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```

TRTRPLE - GFP Tag - V

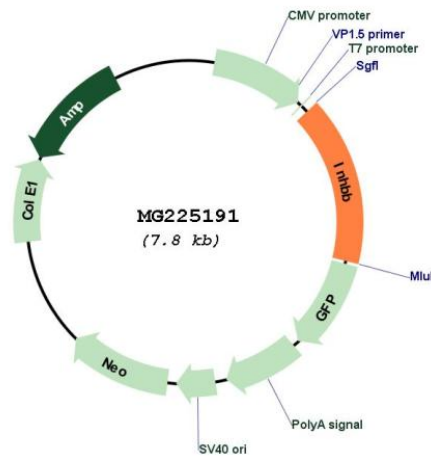
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_008381

<b>ORF Size:</b>	1233 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_008381.4</a>
<b>RefSeq Size:</b>	4255 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	16324
<b>UniProt ID:</b>	<a href="#">Q04999</a>
<b>Cytogenetics:</b>	1 52.29 cM
<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. Homozygous knockout mice for this gene exhibit eyelid defects. [provided by RefSeq, Aug 2016]