

Product datasheet for MR225191

Inhbb (NM_008381) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbb (NM_008381) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inhbb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225191 representing NM_008381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGGTGCCCGGTGCGGCGTTGGGGCCGCCTGCCTTCTGCTCCTGGTGGCCGGCTGGTTGGGAC
CCGAGGCTGGGGCTCTCCACACCCCCGCGTCGCCCCGTCGCGCCGCCCGCCCGCCCGCCACCCGGAGC
TCCGGTGGTTCGCAGGACACCTGTACGTCGTGCGGTGGCGGGCGGCGGGCTTCCGGCGCCGGAGGAG
CTGGCCGGGTGGACGGTGACTTCTGGAGGCGGTGAAGAGACACATCTGAGCCGCTGCAGTTCGCGG
GCCGCCAACATCACGCACGTGTCCCAAGGCCCATGGTACGCGCCCTGCGCAAGTGCACGCGG
CAAGGTGCGGAGGACGCGCGTGGAGATCCCGCACCTCGACGCGCCAGCCAGCCGGGCGCCGACGGC
CAGGAGCGGTCTCCGAGATCATCAGCTTTCAGAGACAGATGGCCTCGCCTCCTCCCGGTCCGCTGT
ACTTCTCGTCTAATGAAGGCAACCAGAACCTATTCGTGGTGCAGGCCAGCCTGTGGCTGTACCTGAA
ACTGCTCCCTATGTCCTGGAGAAGGCGAGCAGGAGGAAGGTACGGGTCAAGGTGACTTCCAAGAACAG
GGTCACGGAGACAGGTGGAATGTGGTGGAGAAGAAGGTGGACCTGAAACGTAGCGGCTGGCATACTTTC
CCATCACAGAGGCCATCCAGGCCTGTTTGGAGCGAGGGGAGAGACGCCTAACCTGGATGTGCAGTGTGA
CAGCTGCCAGGAGCTGGCCGTGGTGCCTGTGTTCTGGACCCGGTGGAGAGTACACAGGCCCTTTGTA
GTGGTGCAGGCCCGCCTGGGCGATAGCAGACATCGCATCCGAAACGGGGCTAGAGTGTGATGGCGGA
CCAGCCTCTGTTGACGGCAACAGTTCCTCATCGACTTTCGGCTCATCGGCTGGAACGACTGGATCATTCG
GCCACTGGCTACTACGGAACTACTGTGAGGGCAGCTGCCCGCCTATCTGGCCGGGTCCCTGGCTCA
GCTTCTCCTTCCACACAGCCGTGGTGAACAGTACCGCATGCGTGGCCTGAACCCTGGGCCGTGAACT
CTTGCTGCATCCCTACCAAGCTGAGCTCCATGTCCATGCTCTACTTTGATGACGAGTACAACATTGTCAA
GCGGGATGTCCTAACATGATCGTGGAGGAGTGTGGCTGCGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR225191 representing NM_008381
Red=Cloning site Green=Tags(s)

```
MDGLPGRALGAACLLLLVAGWLGPFAWGSPTPPPSAAPPAPPPPPGAPGGSQDTCTSCGGGGGGFRRPEE
LGRVDGDFLEAVKRHILSRLQLRGRPNITHAVPKAAMVTALRKLHAGKVREDGRVEIPHLDDGHASPGADG
QERVSEIISFAETDGLASSRVRLYFFVSNEGQNLFFVQASLWLYLKLPPVLEKGSRRKVRVKVYFQEQ
GHGDRWNVVEKKVDLKRSGWHTFPITEAIQALFERGERRLNLDVQCDSCQELAVVPVFDVDPGEESHPRFV
VVQARLGDSRHRIRKRGLECDGRTSLCCRQQFFIDFRLIGWNDWIIAPTGYGNYCEGSCPAYLAGVPGS
ASSFHTAVVNQYRMRGLNPGPVNSCCIPTKLSMSMLYFDDEYNIVKRDVPNMIVVEECGCA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008381

ORF Size: 1233 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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_008381.4](#)

RefSeq Size: 4255 bp

RefSeq ORF: 1236 bp

Locus ID: 16324

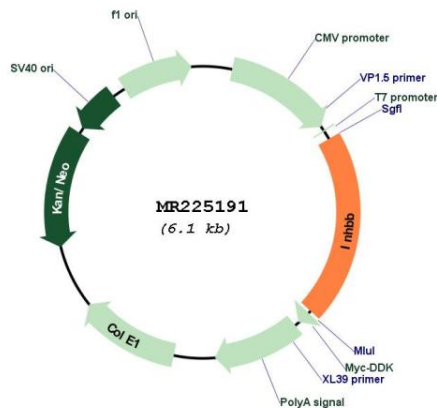
UniProt ID: [Q04999](#)

Cytogenetics: 1 52.29 cM

MW: 45.7 kDa

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 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]

Product images:



Circular map for MR225191