

Product datasheet for RR216597

Inhbb (NM_080771) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbb (NM_080771) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inhbb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216597 representing NM_080771 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGGGCTGCCCGGTGGGGCGTTGGGGCCGCTGCCTTCTGCTTCTGGCGGCCGGCTGGTTGGGAC
CCGAGGCTGGGCTCTCCACACCCCGCCGTCGCCCGCCCGCCCGCCCGCCACCCGGAGC
TCCGGCGGCTCGCAGGACACCTGTACGTCGTGCGCGGGCGGGCGGCTTCCGGCGGCCGAGGAG
CTGGGCGGGTGGACGGTGACTTCTGGAGGCGGTGAAGAGACACATCTTGAGCCGCTGCAAGTTGCGGG
GCCGGCCCAACATCACGCACGCTGTCCCAAGGCCCATGGTCACGGCCCTGCGCAAGTGCACGCCGG
CAAGGTGCGCGAGGACGGCCGCTGGAGATCCCGCACCTCGACGGCCACGCTAGCCGGGCGCCGACGGC
CAGGAGCGCTCTGAGATCATCAGCTTTCAGAGACAGATGGCCTCGCCTCTCCCGGTCCGCTGT
ACTTCTTCGTCTAACGAAGGCAACCAGAACCTATTTGGTGCAGGCCAGCCTGTGGCTGTACCTGAA
ACTGCTCCCTATGTCTGGAGAAGGGCAGCCGGAGGAAGTACGGGTCAAGGTGACTTCCAAGAACAG
GGTCACGGTGACAGGTGGAATGTGGTGGAGAAGAAGTGGACCTAAAACGTAGTGGCTGGCATACTTCC
CCATTACAGAGGCCATCCAGGCCTGTGGTGGAGCGAGGAGACGCCTAACCTGGATGTTCAAGTGTGA
CAGCTGCCAGGAGCTGGCCGTGGTGCCTGTGTTGTTGAGCCCGGTGAGGAGTACACCCGCCCTTTGTA
GTGGTGCAGGCCCGGCTGGGCGATAGCAGACATCGCATCCGAAACGGGGCTGGAGTGTGACGGCGGA
CCAGCCTCTGTTGAGGCAACAGTTCTTCATCGACTTTCGGCTCATCGGCTGGAACGACTGGATCATTGC
ACCCACTGGTACTACGGGAACACTGTGAGGGCAGCTGCCCGGCTACCTGGCTGGGGTCCCTGGTTCA
GCCTCCTCCTCCACACGGCTGTGGTGAACAGTACCGCATGCGTGGCCTGAACCTGGGCGGTGAACT
CTTGCTGCATCCCACCAAGCTGAGTTCTATGTCTATGCTCTACTTTGATGACGAGTACAACATCGTCAA
GCGGGACGTGCCCAACATGATCGTGGAGGAGTGTGGCTGCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216597 representing NM_080771
Red=Cloning site Green=Tags(s)

MDGLPGRALGAACLLLLAAGWLGPEAWGSPTPPPSAAPPPPPPGAPGGSQDCTSCGGGGGGFRRPEE
 LGRVDGDFLEAVKRHILSRLQLRGRPNITHAVPKAAMVTALRKLHAGKVREDGRVEIPHLDGHASPGADG
 QERVSEIISFAETDGLASSRVRLYFFVSNENQNLFVVQASLWL YLKLPPYVLEKGSRRKVRVKVYFQEQ
 GHGDRWNVVEKKVDLKRSGWHTFPITEAIQALFERGERRLNLDVQCDSQELAVVPVFDVDPGEESHPRFV
 VVQARLGDSRHRIRKRGLECDGRTSLCCRQFFIDFRLIGWNDWIIAPTGYGNYCEGSCPAYLAGVPGS
 ASSFHTAVVNQYRMRGLNPGPVNSCCIPTKLSMSMLYFDDEYNIVKRDVPNMIVVEECGCA

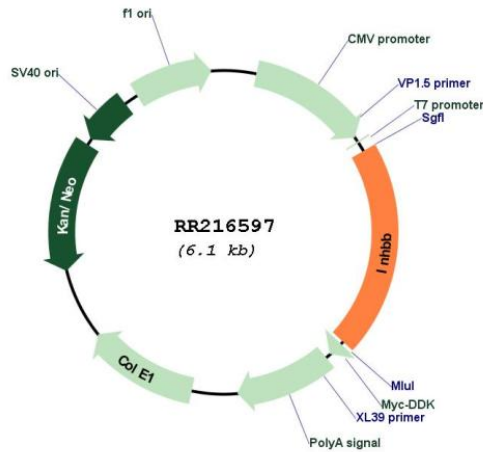
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_080771

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:	<ol style="list-style-type: none">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_080771.1 , NP_542949.1
RefSeq Size:	3131 bp
RefSeq ORF:	1236 bp
Locus ID:	25196
UniProt ID:	P17491
Cytogenetics:	13q11
MW:	45.2 kDa
Gene Summary:	beta subunit of inhibin; involved in regulation of pituitary FSH secretion [RGD, Feb 2006]