

Product datasheet for **RR209330**

Inhbc (NM_022614) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Inhbc (NM_022614) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Inhbc
 Synonyms: MGC108687
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209330 representing NM_022614
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCCTCTTGCTCCTGGCTCTTCTGTTCTGACTCTAGCCACAGTAGTGAACCTCAAACCTGATG
 GTCCATGTCCAGCATGTTGGGGTGCCACCTTTGACCTGGAGGCCATCGGGAGCTCCTTCTCGATTTGGC
 CAAGAAAAGCATCCTGGACAAGCTGCACCTCAGCCAGCGCCCCATACTCAGTCGGCTGTGTCCAGAGAG
 GCCCTCAAGACCGCGCTGCGGGCCTCCGTGGGACTCGAGCGGAAACCCGTGGAGCATGACCAGAGAG
 AAGAATATGAGATCATCAGCTTTGCTGACACAGGCCTCTCCAACATCAACCAAACCCGTCTGAATTCCA
 TTTCTCTGATAGAACTACTGGTGGTGTGGAGGTCTGCAGACCCGTTTCATGTTCTTCATGCAGCTCCCT
 CCCAACACCACCAGACCATGAATATAAGAGTTCTTGTGCTAAGGCCATATGACACCAACCTCACCTTGA
 CAAGCCAGTACATGCTGCAGGTGGATGCCAGTGGCTGGTACCAGCTTCTCCTAGGACCCGAAGCTCAAGC
 TGCTTGCACTCAGGGGCACCTCACTCTGGAGCTGGTCCAGAAAGTCAGCTGGCCACAGTTCCTTGATC
 CTGGATGGGGTTCCACAGGCCTTTGTGGCAGCCAGGTAAGAGTTGAAGGCAAGCATCGGGTACGCC
 GGCGAGGTATCAACTGCCAGGGGCTGTCCAGGATGTGCTGTGCGCAAGAGTTCTTTGTGGACTTCCGTGA
 GATTGGCTGGCATGACTGGATCATCCAGCCCAGGCTATGCCATGAACCTCTGCACTGGGCACTGCCCA
 CTACATGTGGCAGGCATGCCTGGCATCTCTGCGTCTTTCACTGCACTGCACTGCTGAATCTGCTCAAAGCCA
 ACACAGATGCTGGCACTGCCCGCAGGGGCTCATGCTGCGTGCCTACGCTCTCGGCGCCCTCTGCTTTGCT
 CTACTATGACAGGGACAGCAACATTGTCAAGACGGATATACCTGACATGGTGGTAGAGCCCTGTGGGTGC
 AGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209330 representing NM_022614
Red=Cloning site Green=Tags(s)

MASSLLLALLFLTLATVVNLKTDGPCACWGATFDLESHRELLLDLAKKSILDKLHLSQRPILSRPVSRE
 ALKTALRRLRGTRAEITLLEHDQRQEYEIISFADTGLSNINQTRLEFHFSDRTTGGVEVLQTRFMFFMQLP
 PNTTQTMNIRVLVLRPYDTNLTLSQYMLQVDASGWYQLLLGPEAAQACSQGHLELVPESQLAHSLSLI
 LDGVSHRPFVAAQVRVEGKHRVRRRGINCQGLSRMCCRQEFFVDFREIGWHDWIIQPEGYAMNFTGQCP
 LHVAGMPGISASFHTAVLNLLKANTDAGTARRGSCCVPTSRRPLSLLYDRDSNIVKTDIPDMVVEACGC
 S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

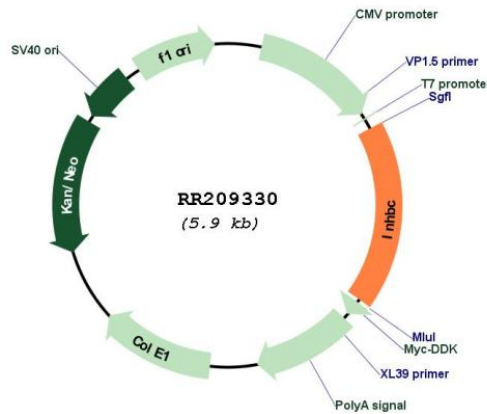
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022614

ORF Size:	1053 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_022614.2 , NP_072136.1
RefSeq Size:	2022 bp
RefSeq ORF:	1056 bp
Locus ID:	64549
UniProt ID:	Q9WUK5
Cytogenetics:	7q22
MW:	39.3 kDa
Gene Summary:	cytokines which play a central role in the determination of cell fate and the regulation of tissue differentiation [RGD, Feb 2006]