

Product datasheet for MR205361

Inhbc (NM_010565) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbc (NM_010565) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inhbc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205361 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCTCCTTGCTCCTGGCTCTTCTGTTCTGACTCCAACCACAGTAGTGAACCCAAAAGTGAAGG
GTCCATGCCCAGCATGTTGGGGTGCCATCTTTGACCTGGAGAGCCAGCGGGAGCTGCTTCTCGATTTGGC
CAAGAAAAGTATCCTGGACAAGTGCACCTCAGCCAGCGCCCCATACTCAGTCGGCCAGTGTCCAGAGGG
GCTCTCAAGACCGCGCTGCAGCGCCTCCGCGGGCCTCGACGGGAAACCTGTTGGAGCATGACCAGAGAC
AAGAAGAATATGAGATCATCAGTTTGTGACACAGACCTCTCCAGCATCAACCAGACCCGGCTCGAGTT
CCACTTCTCTGGTAGAATGGCCAGTGGCATGGAGTCCGGCAGACCCGCTTCATGTTCTTCGTGCAGTTC
CCCCACAATGCCACCCAGACCATGAATATAAGAGTTCTTGCTAAGACCATATGACACCAACCTCACCT
TGACAAGTCAGTACGTGGTGCAGGTGAATGCCAGTGGCTGGTACCAGTTCTCCTGGGACCTGAAGTCA
AGCTGCTTGACAGCCAGGGACACCTTACTCTGGAGCTGGTACCAGAAAGCCAGGTGGCCACAGTTCCTTG
ATCCTGGGCTGGTTTTCCACAGGCCTTTGTGGCAGCCAGGTAAGGGTTGAGGGCAAGCATCGGGTTC
GCCGGCAGGTATCGATTGCCAGGGGGCGTCCAGGATGTGCTGTCGACAAGAGTTCTTCGTAGACTCCG
TGAGATTGGCTGGAATGACTGGATCATCCAGCCTGAAGGCTATGCCATGAACTTCTGCACCGGGCAGTGC
CCACTACATGTGGCAGGCATGCCTGGCATCTCTGCCTCCTTTCACTGCAGTGTGAATCTGCTCAAAG
CCAACGCAGCTGCTGGCACCCTGGCAGGGGCTCGTGCTGCGTGCTACATCTCGGCGCCCTCTGTCTTT
GCTCTACTATGACAGGGACAGCAACATTGTCAAGACGGATATACCTGACATGGTGGTTCGAGGCTCGGG
TGATAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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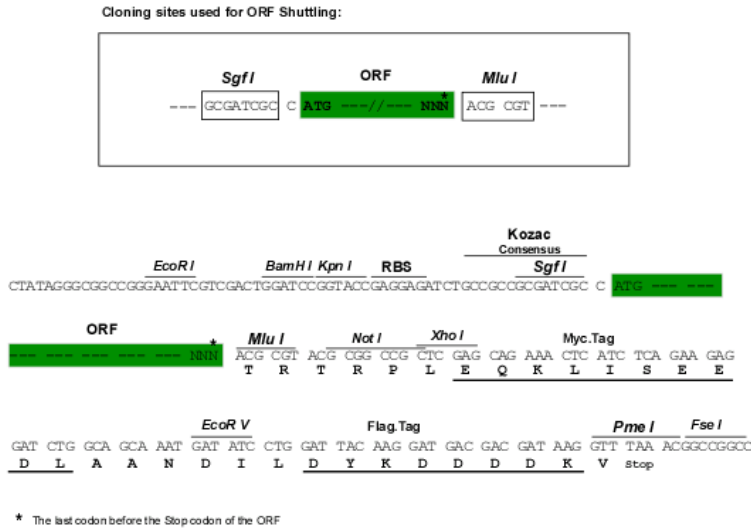
Protein Sequence: >MR205361 protein sequence
Red=Cloning site Green=Tags(s)

MASLLLLALLFLTPTTVVPKTEGPCPACWGAIQDLESQRELLLDLAKKSILDKLHLSQRPILSRPVSRG
 ALKTALQRLRGPRTLEHLDQRQEEYEIISFADTDLSSINQTRLEFHFSGRMASGMEVRQTRFMFFVQF
 PHNATQTMNIRVLVLRPYDTNLTLSQYVVQVNASGWYQLLLGPEAQAACSQGHLTLELVPESQVAHSSL
 ILGWFSHRPFVAAQVRVEGKHRVRRRGIDCQGASRMCCRQEFFVDFREIGWNDWIIQPEGYAMNFCTGQC
 PLHVAGMPGISASFHTAVLNLLKANAAAGTTGRGSCCVPTSRRLSLLYDRDSNIVKTDIPDMVVEACG
 CS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010565

ORF Size: 1059 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_010565.2](#), [NP_034695.1](#)

RefSeq Size: 1988 bp

RefSeq ORF: 1059 bp

Locus ID: 16325

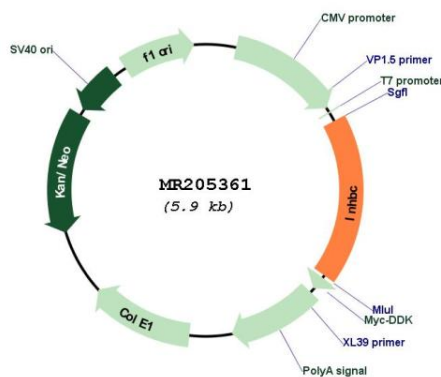
UniProt ID: [P55104](#)

Cytogenetics: 10 74.5 cM

MW: 39.4 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 homodimeric and heterodimeric activin complexes. The heterodimeric complex may function in the inhibition of activin A signaling. Transgenic mice overexpressing this gene exhibit defects in testis, liver and prostate. [provided by RefSeq, Aug 2016]

Product images:



Circular map for MR205361