

Product datasheet for **MG205361**

Inhbc (NM_010565) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbc (NM_010565) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Inhbc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205361 representing NM_010565 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCTCCTTGCTCCTGGCTCTTCTGTTCTGACTCCAACCACAGTAGTGAACCCAAAAGTGAAGG
GTCCATGCCCAGCATGTTGGGTGCCATCTTTGACCTGGAGAGCCAGCCGGGAGCTGCTTCTCGATTTGCC
CAAGAAAAGTATCCTGGACAAGCTGCACCTCAGCCAGCGCCCCATACTCAGTCGGCCAGTGTCCAGAGGG
GCTCTCAAGACCGCGCTGCAGCGCCTCCGCGGGCCTCGACGGGAAACCCGTTGGAGCATGACCAGAGAG
AAGAAGAATATGAGATCATCAGCTTTGCTGACACAGACCTCTCCAGCATCAACCAGACCCGGCTCGAGTT
CCACTTCTCTGGTAGAATGGCCAGTGGCATGGAGTCCGGCAGACCCGCTTCATGTTCTTCGTGCAGTTC
CCCCACAATGCCACCCAGACCATGAATATAAGAGTTCTTGCTAAGACCATATGACACCAACCTCACCT
TGACAAGTCAGTACGTGGTGCAGGTGAATGCCAGTGGCTGGTACCAGTTCTCCTGGGACCTGAAGCTCA
AGCTGCTTGCAGCCAGGGACACCTTACTCTGGAGCTGGTACCAGAAAGCCAGGTGGCCACAGTTCCTTG
ATCCTGGGCTGGTTTTCCACAGGCCTTTGTGGCAGCCAGGTAAGGGTTGAGGGCAAGCATCGGGTTC
GCCGGCAGGTATCGATTGCCAGGGGGCGTCCAGGATGTGCTGTCGACAAGAGTTCTTCGTAGACTCCG
TGAGATTGGCTGGAATGACTGGATCATCCAGCCTGAAGGCTATGCCATGAACTTCTGCACCGGGCAGTGC
CCACTACATGTGGCAGGCATGCCTGGCATCTCTGCTCCTTTCACTGCAGTGTGAATCTGCTCAAAG
CCAACGCAGCTGCTGGCACCCTGGCAGGGGCTCGTGCTGCGTGCTACATCTCGGCGCCCTCTGTCTTT
GCTCTACTATGACAGGGACAGCAACATTGTCAAGACGGATATACCTGACATGGTGGTTCGAGGCTCGGG
TGATAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205361 representing NM_010565
 Red=Cloning site Green=Tags(s)

MASLLLLALLFLPTTVVNPKEGPCPACWGAI FDL ESQR ELLDLAKKSILDKLHLSQRPILSRPVSRG
 ALKTALQRLRGP RRLELHDQRQE EY E I I SFADTDLSSINQTRLEFHFSGR MASGM E VRQTRFMFFVQF
 PHNATQTMNIRVLVLRPYDTNLTLTSQYVVQVNASGWYQLLLGPEAQAAC SQH L TLELVPESQVAHSSL
 ILGWFSHRPFVAAQVRVEGKHRVRRRGIDCQGASRMCCRQEFFVDFREIGWNDWIIQPEGYAMNFCTGQC
 PLHVAGMPGISASFHTAVLNLKANAAGTTGRGSCCVPTSRRLSLLYDRDSNIVKTDIPDMVVEACG
 CS

TRTRPLE - GFP Tag - V

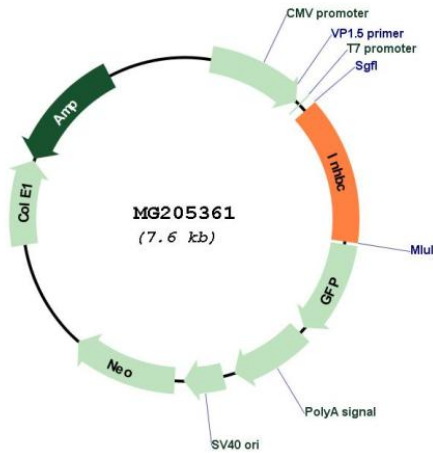
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010565

ORF Size:	1056 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_010565.2 , NP_034695.1
RefSeq Size:	1883 bp
RefSeq ORF:	1059 bp
Locus ID:	16325
UniProt ID:	P55104
Cytogenetics:	10 74.5 cM
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]