

Product datasheet for **MG205316**

Inhbe (NM_008382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhbe (NM_008382) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Inhbe
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205316 representing NM_008382 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTTCCAAAAGCCAGCTCTGGCTAATACTGCTGTGGCATTGGTGTGGGTGCAGAGTACAAGAT
CTGCGTGCCCGTCTGTGGGGGCCAACACTGGCACCCCAAGGAGAACCGCGCTCTGGTCTGGAGCTAGC
CAAGCAGCAAATCCTGGAGGGACTGCACCTAACAGCCGTCCAGAATAACTCGGCTCTGCCCCAGGCA
GCACTGACCAGAGCCCTCCGGAGACTGCAGCCCAAGAGCATGGTCCCTGGCAACCGAGAGAAAGTCATCA
GCTTTGCTACCATCATAGACAAAATCCACTTCAACCTACCGCTCCATGCTCACCTCCAGCTGTCCCCTCT
TTGGTCCCACCACCTGTACCATGCCCGCTCTGGTTGCATGTGCCTCCCTCTTTTCCGGGCACTCTGTAC
CTGAGGATCTTCCGTTGCGGCACCACTAGTGCCGAGGATTCCGCACCTCCTAGCTGAGCACCAAACCA
CTTCTCTGGCTGGCAGCCCTGACTCTGCCCTTAGCGGCTTGCAGGAGTGGAGTCTGGCGTCTGAA
ACTCCAAGTGAATTTAGACCCCTGGACCTAACAGCACCGCTGCGGGACTGCCACGGCTGCTCTTGGAC
ACAGCGGGACAGCAACGTCCCTTCTTGGAACTTAAGATCCGAGCTAATGAACCTGGAGCAGGTGGGCCA
GGAGGAGGACTCCACCTGTGAGCCTGAGACCCCTTATGTTGTAGGCGAGACCACTATGTAGACTTCCA
GGAGCTGGGTGGCGGGATTGGATCCTGCAGCCGGAGGGATACCAGCTGAATTAAGTGCAGTGGGCAGTGC
CCGCCCCACCTGGCTGGCAGTCTGGCATTGCTGCCTCCTTCCATTCTGCCGTCTTAGCCTCCTCAAAG
CCAACAACCTTGGCCTGCGGGTTCTTCTGCTGTGTCCCACTGCACGAAGGCCTCTCTCTCCTCTA
CCTTGACCATAATGGCAATGTGGTCAAGACCGATGTGCCAGACATGGTAGTAGAGGCCTGTGGCTGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205316 representing NM_008382
 Red=Cloning site Green=Tags(s)

MKLPKAQLWLILLWALVWVQSTRSACPSGPGPTLAPQGERALVLELAKQQILEGLHLTSRPRITRPLPQA
 ALTRALRRLQPKSMVPGNREKVISFATIIDKSTSTYRSMFTFQLSPLWSHLYHARLWLHVPPSFPGLTY
 LRIFRCGTTTRCRGFRTFLAEHQTTSSGWHAL TLPSSGLRSEDSGVVKLQLEFRPLDLNSTAAGLPRLLLD
 TAGQQRPFLELKIRANEPGAGRARRRTP TCEPETPLCCRRDHYVDFQELGWRDWILQPEGYQLNYCSGQC
 PPHLAGSPGIAASFHSAVFSLLKANNPWPAGSSCCVPTARRPLSLLYLDHNGNVVKTDVPMVMVEACGCS

TRTRPLE - GFP Tag - V

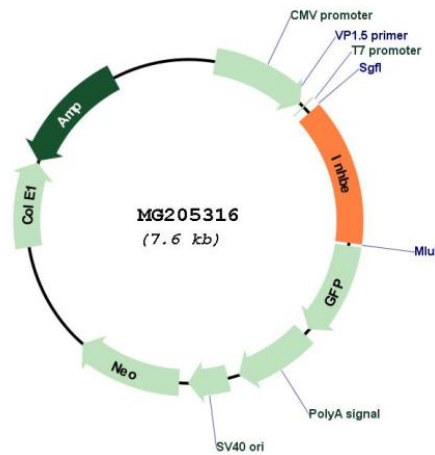
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008382

ORF Size: 1050 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_008382.1 , NP_032408.1
RefSeq Size:	2125 bp
RefSeq ORF:	1053 bp
Locus ID:	16326
UniProt ID:	O08717
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 an inhibin beta subunit. Inhibins have been implicated in regulating numerous cellular processes including cell proliferation, apoptosis, immune response and hormone secretion. This gene may be upregulated under conditions of endoplasmic reticulum stress, and this protein may inhibit cellular proliferation and growth in pancreas and liver. [provided by RefSeq, Sep 2016]