

Product datasheet for **MG206752**

Inhba (NM_008380) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inhba (NM_008380) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Inhba
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206752 representing NM_008380 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTTGCTTTGGCTGAGAGGATTTCTGTTGGCAAGTTGCTGGATTATAGTGAGGAGTCCCCACCC
CAGGATCCGAGGGGCACGGCTCAGCCCCGACTGCCCGTCTGTGCGCTGGCCACCTTCCGAAGGATGG
ACCTAACTCTCAGCCAGAGATGGTAGAGGCTGTCAAGAAGCACATCTTAAACATGCTGCACTTGAAGAAG
AGACCCGATGTACCCAGCCGGTGCCCAAGGCGGCGTCTCAACGCGATCAGAAAGCTTCATGTGGGTA
AAGTGGGGGAGAACGGGTATGTGGAGATAGAGGACGACATTGGCAGGAGGCGCAAATGAATGAATC
GGAGCAGACCTCGGAGATCATCACCTTTGCCGAGTCAGGCACAGCCAGGAAGACACTGCACTTTGAGATT
TCCAAGGAAGGCAGTGACCTGTCAAGTAGTGAGCGTGCAGAAAGTGTGGCTCTTCTGAAAGTCCCCAAGG
CTAACAGAACCAGGACCAAAGTCAACATCCGTCTATTTCAAGCAGCAGAAGCACCCACAGGGCAGCTTGA
CACGGGGGATGAGCCGAGGAAATGGGCTTAAAGGGGAGAGGAGTGAAGTGTGCTATCAGAGAAAGTA
GTTGATGCTCGGAAGAGTACCTGGCACATCTTCCAGTGTCCAGCAGCATCCAGCGCTGCTGGACCAGG
GAAAGAGTTCCCTGGACGTGCGGATTGCTTGTGAGCAGTGCCAGGAGAGTGGTCCAGTCTAGTGTCTCT
GGCAAGAAGAAGAAGAAAGAGGTGGATGGAGATGGGAAGAAGAAGATGGGAGTGACGGAGGGCTGAA
GAGGAAAAGAACAGTCACATAGACCTTCTCATGCTGCAGGCTAGGCAGTCCGAAGACCACCTCATC
GCAGGCGTAGGCGGGCTTGGAGTGCAGCGCAAGGTCAACATTTGCTGTAAAGAAACAGTCTTTGTGAG
CTTCAAGGACATTTGGCTGGAATGACTGGATCATTGCTCCCTCTGGCTATCACGCCAATTATTGTGAGGGG
GAGTGCCCAAGCCACATAGCAGGCACCTCTGGTCTCGTCTCCTTCCACTCAACAGTCATTAACCACT
ACCGCATGAGGGGTACAGCCCCTTTGCAACCTTAAGTCATGCTGTGTGCCACCAAGCTGAGACCCAT
GTCCATGCTGTATTACGATGATGGTCAAAACATCATCAAAAAGGACATTCAAAACATGATTGTGGAGGAG
TGTGGCTGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206752 representing NM_008380
 Red=Cloning site Green=Tags(s)

MPLLWLRGFLASCWIIIVRSSPTPGSEGHGSAPDCPSCALATLPKDGPN SQPEMVEAVKKHILNMLHLKK
 RPDVTQVPK AALLNAIRKLVHGKVGGENGYVEIEDDIGRRAEMNELMEQTSEIITFAESGTARKTLHFEI
 SKEGSDLSVVERAEVWFLFKVPKANRTRTKVTIRLFQQQKHPQGLDGTGDEAEEMGLKGERSELLSEKV
 VDARKSTWHIFPVSSSIQRLDQKSSLDVRIACEQCQESGASLVLLGKKKKKEVDGDKKKKDGSDGGLLE
 EEKEQSHRPFLMLQARQSEDHPHRRRRRGL ECDGKVNICCKKQFFVSKDIGWNDWIIAPSGYHANYCEG
 ECPSHIAGTSGSSLSFHSTVINHYRMRGHSPFANLKS CCVPTKLRPMSMLYYDDGQNI IKKDIQNMIVEE
 CGCS

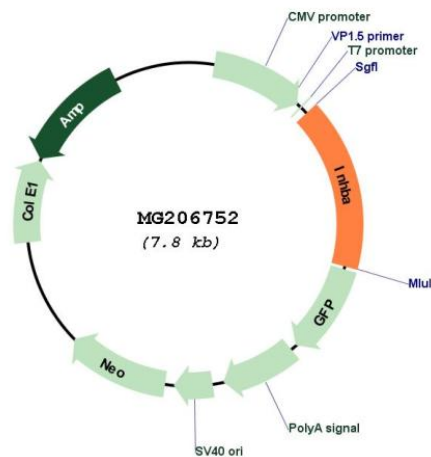
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_008380
ORF Size:	1272 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_008380.2
RefSeq Size:	1529 bp
RefSeq ORF:	1275 bp
Locus ID:	16323
UniProt ID:	Q04998
Cytogenetics:	13 5.85 cM
Gene Summary:	<p>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 the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. The encoded protein also plays a role in eye, tooth and testis development. Homozygous knockout mice for this gene lack whiskers and exhibit tooth and palate defects, leading to neonatal lethality. [provided by RefSeq, Aug 2016]</p>