

Product datasheet for MR205633

Inha (NM_010564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inha (NM_010564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inha
Synonyms:	AW555078
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205633 representing NM_010564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAGCCAGCGGTCTCTGCTGCTCCTTTTGTGTTGACCCTACGGGATGTGGACAGCTGCCAGGGGC
CCGAACCTGTCCGGGAGCTCGTCTGGCCAAGGTGAAGGCTCTATTCTAGATGCCTTGGGGCCCCAGC
AATGGATGGGGAAGGTGGGGATCCTGGAATAAGGCGTCTGCCTCGAAGACATGCCGTTGGGGTTTCATG
CACAGGACCTCTGAACCAGAGGAGGAAGATGTCTCCAGGCTATCCTTTCCAGCTACAGGTGCCACCT
GTGAGGACCAGCCAGCTGCCAGAGGGCTTGCCAGGAGGCTGAGGAAGGCCTTTCACCTATGTATTCCG
GCCATCCCAACACATACGCAGCCACCAGGTGACTTCAGCCAGCTGTGGTTCACACAGGCCTAGGCAGG
AAGAGCACAGCAGCCCAATAGCTCTGCGCCCTGCTAGATCTTCTGGTGTATCATCTGGGGGGCCCA
TGGCTGTGCTGTGCTCTTGGGACAGGGCCCGCCACGCTGGGCTGTACTGCACCTGGCGGCGTCTGCTTT
CCCTCTGCTGACCCACCCATCCTGGTGTGCTGCTGCGATGCCACTCTGTTCTGCTCGGGCCGGCT
GAGACCACTCCTTCTGGTAGCCCACTAGGCTCGAGCAGCCAGTGCAGGGGAGAGGGCCCGGCGTT
CAACTCCCTCCGTGCCTTGGCTTGGTCTCCTGCGGCTTTCGCTGTGCTGAGAGGCTCCCGAGGAACC
CGCTGCGCATGCCTTCTGCCATCGAGCTGCTCTCAATATCTCCTTCCAAGAGCTGGGCTGGGACCGCTGG
ATCGTACACCCCTCCAGTTTCATCTTCCACTACTGCCATGGTAGCTGCGGGATGCCACACTGACCTGC
CCCTGCCAGTCCCTGGGGTGCCTTACCCCGTTTCAGCCCTGTTTTTGGTGCCAGGGGCCAAGCCCTG
CTGTGCTGCTTCTCCGGGAGCATGAGGTCCCTACGCTCCGAACCACCTCAGATGGAGGTTACTCTTTT
AAGTATGAGATGGTACCAACCTTATTACTCAACTGTGCTTGTATC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205633 representing NM_010564
 Red=Cloning site Green=Tags(s)

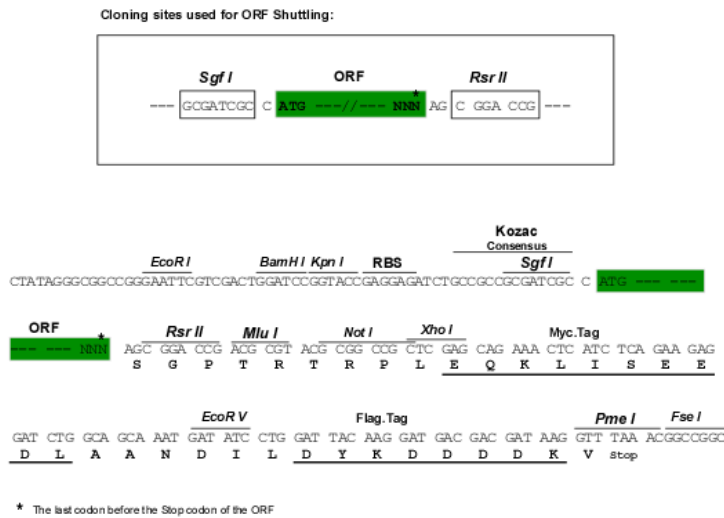
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MVSRQLLLLLLLTLRDVDSQGPVRELVLAKVKALFLDALGPPAMDGEGGDPGIRRLPRRHAVGGFM
HRTSEPEEEDVSAIILFPATGATCEDQPAARGLAQEAEEGLFTYVFRPSQHIRSHQVTSACLWFHTGLGR
KSTAAANSSAPLLDLLVLSGGPMAVPVSLGQPPRWAVLHLAASAFPLLTHPIILVLLRCPLCSCSGRP
ETTPFLVAHTRARAPSAGERARRSTPSVPWPWSPAALRLLQRPEEPAAHAFCHRAALNLSFQELGWDRW
IVHPPSFIFHYCHGSCGMPTSDLPLPVPGVPPTPVQPLFLVPGAKPCCAALPGSMRSLRVRTTSDGGYSF
KYEMVPLNLTQHCACI
```

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_e07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_010564

ORF Size: 1098 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_010564.3](#)

RefSeq Size: 1463 bp

RefSeq ORF: 1101 bp

Locus ID: 16322

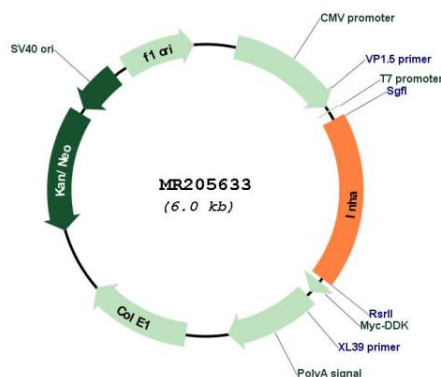
UniProt ID: [Q04997](#)

Cytogenetics: 1 39.16 cM

MW: 40 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 multiple peptide products, including the alpha subunit of the inhibin A and B protein complexes. These complexes negatively regulate follicle stimulating hormone secretion from the pituitary gland. Inhibins have also been implicated in regulating numerous cellular processes including cell proliferation, apoptosis, immune response and hormone secretion. Mice in which this gene has been ablated exhibit sex cord-stromal tumors and symptoms that mimic the human cancer cachexia syndrome. [provided by RefSeq, Aug 2016]

Product images:



Circular map for MR205633