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Product datasheet for RR215311

Ina (NM_019128) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ina (NM_019128) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ina
Synonyms:	alpha-Inx; Inexa; Intlaa; Nf66
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR215311 representing NM_019128
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTTCGGATCAGAGCACTACTTGTGCTCCGCCTCCTCCTACCGCAAGGTGTTCGGGGATGGCTCGC
GCCTGTCTGCGCGCCTGTCCGGGCCGGGAGCGTCCGGCAGCTTTCGCTCGCAGTCGCTGTCCCGCAGCAA
TGTGGCCTCCACGGCCGCTTGCTCCTCGGCCTCGTCTCTCGGCCTGGGCCTGGCCTACCGCCGCCTGCCG
GCCTCCGACGGGCTGGACCTGAGCCAAGCAGCGGCGCGCACCAACGAGTACAAGATCATCCGCACTAACG
AGAAGGAGCAGCTGCAGGGCCTCAACGACCGCTTCGCGGTGTTCATCGAAAAGGTGCACCAGCTGGAGAC
GCAGAACCGCGCGCTCGAGGCCGAGCTGGCCGCGCTGCGCCAGCGCCACGCCGAGCCGTCGCGCGTCGGC
GAGCTCTTCCAGCGCGAGCTGCGCGAGCTGCGCGCGCAGCTGGAGGAGGCGAGCTCCGCGCGCGCGCAGG
CCCTGCTGGAGCGCGACGGGCTGGCCGAGGAGGTGCAGCGACTGCGGGCGCGCTGCGAGGAGGAGAGCCG
CGGGCGCGAAGGCGCGGAGCGCGCCCTGAAGGCGCAGCAGCGCGACGTGGACGGCGCCACTCTGGCCCGC
CTGGATCTGGAGAAGAAGGTGGAGTCGCTGCTGGACGAGCTGGCCTTCGTGCGCCAGGTGCACGACGAGG
AGGTGGCCGAGCTCCTGGCCACGCTGCAGGCGTCTTCGCAAGCCGCCGCCGAGGTGGACGTGGCTGTGGC
TAAACCAGACCTGACTTCGGCGCTGAGGGAGATCCGCGCCCAGTATGAGTCCTTGGCCGCTAAGAACCTG
CAGTCGGCCGAGGAGTGGTACAAGTCCAAGTTCGCCAACCTGAACGAGCAGGCTGCGCGCAGCACGGAAG
CCATCCGAGCCAGCCGAGAGGAGATCCACGAGTACCGGCGCCAGCTCCAGGCTCGTACCATTGAGATAGA
GGGCCTGCGCGGAGCCAATGAATCCCTGGAGAGGCAGATCTTGGAACTGGAGGAGCGGCACAGCGCTGAG
GTGGCCGGCTACCAGGATAGCATTGGGCAGCTGGAGAGTGACCTGAGGAACACCAAGAGCGAGATGGCCC
GCCACCTTCGGGAATACCAGGACTTGCTCAATGTCAAAATGGCTCTTGACATTGAGATAGCAGCTTACAG
GAAGCTGCTGGAAGGCGAAGAGACACGATTTAGCACCAGCGGGTTAAGCATCTCAGGGCTGAATCCACTT
CCCAATCCCAGTTATTTGCTCCCTCCTAGAATCCTTAGTTCTACAACCTCCAAAGTCTCATCCGCTGGGC
TGTCCCTGAAAAAGGAGGAGGAGGAGGAGGAGGAAGAGGAAGAAGGGGCTTCTAAGGAAGTCACTAAGAA
AACATCCAAGGTAGGGGAAAGTTTCGAAGAAACACTGGAGGAAACGGTGGTATCTACGAAGAAAACCGAA
AAGTCAACTATAGAAGAAATCACCACCAGTTCCAGCCAAAAAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215311 representing NM_019128
Red=Cloning site Green=Tags(s)

MSFGSEHYLCSASSYRKVFGDGSRLSARLSGPGASGSFRSQSLSRSNVASTAACSSASSLGLGLAYRRLP
ASDGLDLSQAAARTNEYKIIRTNEKEQLQGLNDRFAVFIEKVHQLETQNRALEAELAALRQRHAEPSRVG
ELFQRELRELRAQLEEASSARAQALLERDGLAEEVQRLRARCEEESRGREGAERALKAQQRDVDGATLAR
LDLEKKVESLLDELAFVRQVHDEEVAELLATLQASSQAAAEVDVAVAKPDLTSALREIRAQYESLAAKNL
QSAEEWYKSKFANLNEQAARSTEAIRASREEIHEYRRQLQARTIEIEGLRGANESLERQILELEERHSAE
VAGYQDSIGQLESDLRNTKSEMARHLREYQDLLNVKMALDIEIAAYRKLLEGEETRFSTSGLSISGLNPL
PNPSYLLPPRILSSTTSKVSSAGLSLKKEEEEEEEEEGASKEVTKKTSKVGESFEETLEETVVSTKKTE
KSTIEEITTSSSQKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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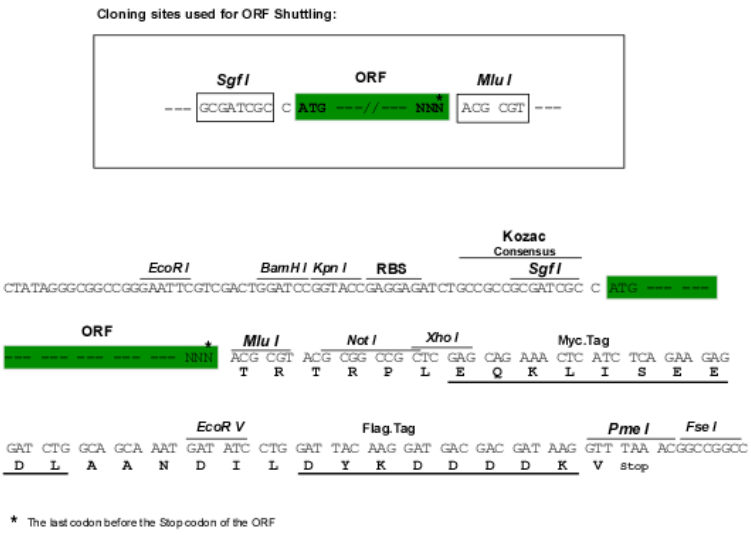
Cloning Scheme:



* The last codon before the Stop codon of the ORF

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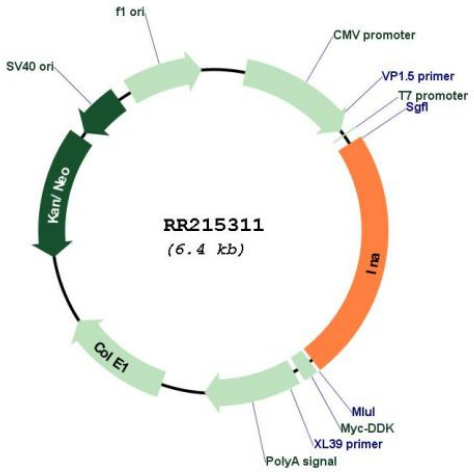
Plasmid Map:



ACCN:	NM_019128
ORF Size:	1518 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).

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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_019128.5, NP_062001.2
RefSeq Size:	3323 bp
RefSeq ORF:	1521 bp
Locus ID:	24503
Cytogenetics:	1q54
MW:	56.3 kDa
Gene Summary:	may play a role in neurogenesis; may be involved in neuronal regeneration in response to injury [RGD, Feb 2006]

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