

Product datasheet for **RR212334**

Ins2 (NM_019130) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ins2 (NM_019130) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ins2
Synonyms: CP-II
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR212334 representing NM_019130
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGTGGATCCGCTTCTGCCCTGCTGGCCCTGCTCATCCTCTGGGAGCCCCGCCCTGCCAGG
 CTTTTGTCAAACAGCACCTTTGTGGTTCTCACTTGGTGAAGCTCTACCTGGTGTGTGGGAGCGTGG
 ATTCTTACACACCCATGTCCCGCCGGAAGTGGAGGCCACAAGTGGCACAAGTGGAGCTGGGTGGA
 GGCCCGGGGGCAGGTGACCTTACACCTTGGCACTGGAGGTGGCCCGGCAGAAGCGCGGCATCGTGGATC
 AGTGTGCACCAGCATCTGCTCTCTACCAACTGGAGAAGTACTGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212334 representing NM_019130
 Red=Cloning site Green=Tags(s)

MALWIRFLPLLALLILWEPRPAQAFVKQHLGSHLVEALYLVCGERGFFYTPMSRREVDPQVAQLELGG
 GPGAGDLQTLALEVARQKRGIVDQCCTSICSLYQLENYCN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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_019130.2](#), [NP_062003.1](#)

RefSeq Size: 464 bp

RefSeq ORF: 333 bp

Locus ID: 24506

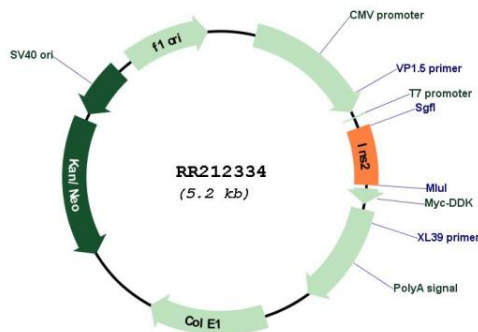
UniProt ID: [P01323](#)

Cytogenetics: 1q41

MW: 12.3 kDa

Gene Summary: gene encodes preproinsulin which is processed to form hormone involved in glucose and lipid metabolism [RGD, Feb 2006]

Product images:



Circular map for RR212334