

## Product datasheet for **RR213005**

### **Nkx2-5 (NM\_053651) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nkx2-5 (NM\_053651) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nkx2-5  
**Synonyms:** Csx; Nkx2.5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR213005 representing NM\_053651  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCCCGAGCCCTGCGCTCACACACAGCCCTTCTCAGTCAAAGACATCCTGAACCTGGAGCAGCAGC  
AGCGCAGCCTGGCGGCTGGGACCTGTCTGCGCGCCTCGAGGCCACCCTGGCGCCCGCTCTGCATGCT  
GGCCGCCTTCAAGCCGGACGGCTACTCAGGCCCGAGGCGGCAGCGCCCGCCTGGCAGAGCTGCGCGCG  
GAGCTGGGCCCCGCGCTTCGCCCCCAAGTGCTCTCCTGCTTTCCCAACCGCCCTACATTTTATCCGC  
GAGCCTACGGTGACCCTGACCCCGCAAGACCCTCGGGCGGATAAGAAAGAGCTGTGCGCGCTGCAGAA  
GGCGGTGGAGCTGGACAAAGCCGAGACAGACGGCGCCGAGAGGGCAGACCACGGCGGCGACGGAAGCCA  
CGCGTGCTCTTCTCGCAGGCGCAGGTCTATGAGCTGGAGCGGCGCTTCAAGCAACAGCGGTACCTGTCCG  
CCGCTGAGCGCGACCAACTGGCCAGCGTGTGAAGCTCACGTCCACGCAGGTCAAGATCTGGTTCCAGAA  
CCGCCGTACAAGTGTAAGCGACAGCGGACAGGACCAGACTCTGGAGCTGCTGGGGCCGCCCGCCGCC  
GCGCGCAGGATCGCGGTGCCGTGTTGGTGCGGACGGGAAGCCCTGCCTGGGGACTCGGCGGCCCTACG  
CTCCCGCTACGGCCTGGGTCTCAACGCCTACGGCTACAACGCCTACCCCTATCCCGCTACGGTGGCGC  
GGCCTGCAGTCCCGCTACAGCTGCGCCGCGTACCCCGCCGCGCCCCCGCGCGCACGCCCCAGCCGCC  
AGCGCCAAACAGCAACTTCGTGAACCTTGGCGTGGGGACTTGAACACGGTGCAGAGTCCCGGGATGCCAC  
AGGGCAATTCGGGCGTCTCCACGCTGCACGGCATCCGAGCCTGGAGGGCAATTCGGGCGTCTCCACGCTG  
CACGGCATCCGAGCCTGG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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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 Size:** 1342 bp

**RefSeq ORF:** 957 bp

**Locus ID:** 114109

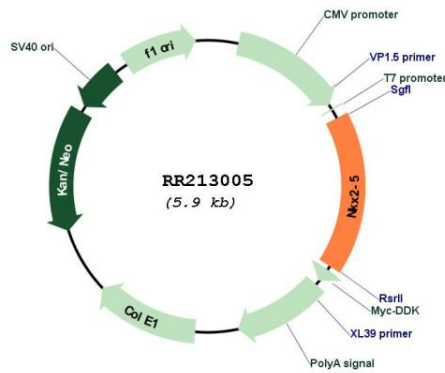
**UniProt ID:** [O35767](#)

**Cytogenetics:** 10q12

**MW:** 34.3 kDa

**Gene Summary:** homeobox transcription factor important for cardiac development [RGD, Feb 2006]

**Product images:**



Circular map for RR213005