

## Product datasheet for **RR206898**

### **Nkx2-3 (NM\_001107594) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nkx2-3 (NM_001107594) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nkx2-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206898 representing NM_001107594 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGATACCAAGCCCGGTACCTCCACCCCTTCTCAGTCAAAGACATTTTGAATCTGGAACAGCAGC  
GGCACTTCCACGGAGCACACTTGCAGGCCGAATTGGAGCAGCACTTACACTCGGCCCCCTGCATGCTGGC  
AGCTGTGAAGGGACGCAGTTTTCTGATGCAGGGGAGGAGGACGAGGAAGAAGAGGGAGAGAAATGTCC  
TATTTGAACTCACTAGCGCCCGGAGGGCCACGGAGTTTCGGTCTCTGTCTCAGAGCTATGTCCATA  
CAGTCTTCGAGACTCTTGCAGCGGCCAAGGAGCAAGAAGAGGAGTTGTGAGCGAACGGACCCAAA  
AAGCTGCCAGTTGAAGAAGTCTCTCGAAGCGGCCGGGAGACTGTAAGCGAGCGAGGACGGCAGAGGCCG  
AAGCCTCGCAGCCGCGAAGCCCGGGTCTCTCTCGCAAGCTCAGGTCTTTGAGCTGGAGCGCAGGT  
TCAAGCAGCAGCGGTACCTGTCGGCGCCGAGCGCAGCATCTTGCCAGCAGCCTGAAGCTCACGTCCAC  
ACAGGTGAAGATCTGGTTCCAGAATCGCAGGTACAAGTGAAGAGACAGCGACAGGACAAGTCCCTGGAG  
CTGGGGACCCACGCGCCGCGCCGCGCCCGCCGCGTGGCAGTGCCGGTCTCGTGCGGGACGGCAAAC  
CGTGCGTCACTCCAGCGCGCAAGCCTACGGCTCGCCCTACGGCGTGGGTGCCGGCGCTACTCTACAA  
CAGCTTCCCGCCTACGGCTACGGGAATCGGCGGCCGAGCCGCTGCAGCAGCAGCAGCCGAGCCGCA  
GCCGCGGCTTACAGCGGAGCTACGGCTCGCCTACCCGACAGGGCGGCGGGCGGTGGTGGCGGCGCAG  
CCTCCGCGGACACCGCAATGCAACCCGCTGCAGCGCCACCGCGGGGATCTTTTGTGAACGTGGG  
CAACCTGGGAGGCTTCGGCAGCGGCGGGCGGCAACCTTGCATCAAGGTGCCGAGCTGGAGCCGCG  
TGCGCGCAGGGGACCTTGCAGGGCATCAGGGCTTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206898 representing NM\_001107594  
Red=Cloning site Green=Tags(s)

MMIPSPVTSTPFVSKDILNLEQQRHFHGAHLQAELEQHLHSAPCMLAAAEGTQFSDAGEEDEEEEGEKL  
 YLNSLAAAEHGVSGLCPQSYVHTVLRDSCSGPKEQEEVVVSERSQKSCQLKKSLEAAGDCKASEDGERP  
 KPRSRRKPRVLF SQAQVFELERRFKQQRYL SAPEREHLASSLKL TSTQVKIWFQNRRYKCKRQRQDKSLE  
 LGTHAPPPPPRRVAVPVLVRDGKPCVTPSAQAYGSPYGVGAGAYSNSFPAYGYGNSAAAAAAAAAAAA  
 AAAYSGSYGCAYPTGGGGGGGAASAATTAMQPACSATGGGSFVNVGNLGGFGSGGGAQPLHQGAAGAA  
 CAQGT LQGIRAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001107594

**ORF Size:** 1086 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\\_001107594.1](#), [NP\\_001101064.1](#)

**RefSeq Size:** 1472 bp

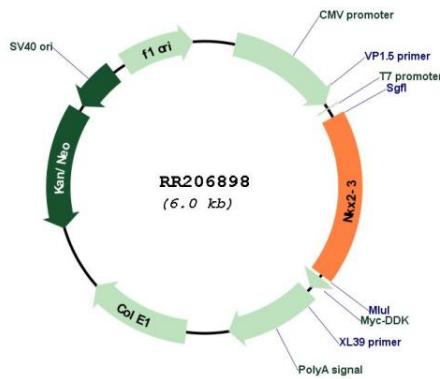
**RefSeq ORF:** 1089 bp

**Locus ID:** 309389

**Cytogenetics:** 1q54

**MW:** 37.9 kDa

**Product images:**



Circular map for RR206898