

Product datasheet for **RN208031**

Nkx2-1 (NM_013093) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkx2-1 (NM_013093) Rat Untagged Clone
Tag: Tag Free
Symbol: Nkx2-1
Synonyms: Titf1; TTF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208031 representing NM_013093
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGATGAGTCCAAGCACACGACTCCGTTCTCAGTGTCTGACATCTTGAGTCCCCTGGAGGAAAGCT
ACAAGAAAGTGGGCATGGAGGGCGGGCTCGGGCTCCGCTCGCAGCTTACAGACAGGGCCAGGGCGG
CCCGCCGGCCGGCCATGCAGCAGCACGCCGTGGGGCACCACGGCGCCGTACCGCCCTACCACATG
ACGGCGCGGGGGTGCCCACTCTCCCACTCCGCGTGGGGGGTACTGCAACGGCAACCTGGGCAACG
TGAGCGAGCTGCCACCTACCAGGACACCATGCCGAACAGCGCTTCGGGCCCCGGATGGTACGGCGCCAA
CCCAGATCCGCGCTTCCCGCCATCTCCCGCTTCATGGGCCCGGCGAGCGGCATGAATATGAGCGGCATG
GGCGGCTGGGCTCGCTGGGGGACGTGAGCAAGAACATGGCCCCGCTGCCAGCGCACCCCGCCGGAAGC
GTCGGGTGCTCTTCTCCAGGCGCAGGTGTACGAGCTCGAGCGACGTTCAAGCAGCAGAAGTACCTGTC
GGCGCCGAGCGCGAGCATCTGGCCAGCATGATCACCTGACACCCACGCAGGTCAAGATCTGGTTCCAG
AACCACCGCTACAAGATGAAGGCCAGGCGAAGGACAAGGCGGCGCAGCAGCAACTGCAGCAGGACAGCG
GCGGCGCGGAGGCGGGCGGGCGGGTGGCCCGCAGCAGCAAGCTCAGCAGCAGGCGGCGCAGCGGAGCC
CCGGGTGGCCGTGCCGCTCTGGTGAAGACGGCAAAACCTGCCAAGCGGGCGCCCTGCACCGGGAGCC
GCCAGCCTGCAAGGCCACGCGCAACAACAGCTCAGCAGCAGGCGCAGGCGGCGCAGCGGCTGCCGCGG
CCATCTGTGGGCGAGCGGTGGTGGGGTCTAGGAGCACACCCAGGCCACCAGCCGGCAGCGCAGGGCA
GTCCCGGACCTGGCGACACGCGAGCCAGCCCGCAGCGCTGCAGGGCCAGGTCTTAGCCTATCTCAT
CTGAACCTCTGGCTCGGACTATGGCGCCATGTCTTGTCTACTTTGCTTTATGGTCGGACCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013093



Insert Size:	1119 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_013093.1, NP_037225.1</u>
RefSeq Size:	2297 bp
RefSeq ORF:	1119 bp
Locus ID:	25628
Cytogenetics:	6q23
Gene Summary:	transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor; may play a role in organogenesis and/or reproductive maturation and development [RGD, Feb 2006]