

Product datasheet for **RR206429**

Nkx3-1 (NM_001034144) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkx3-1 (NM_001034144) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nkx3-1
Synonyms: MGC124859
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206429 representing NM_001034144
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTAGGGTAGCGGAGCCCCAAGAGGCACGGTTGGAGGCGGGTGGTTCGAGTCCCTGGGCAGCGCCAC
CCACGCAGTCCAAGCGGCTCACGTCCTTCTCATCCAGGACATCCTGCGGGACCACGCAGAGCGGGTGG
GGGACAGCCGAGCACCCCGCAGCACAGTGCCAACCAGACCCTAAGAGGGATTCTGCTTCAGAGCTCGAC
GAAGCAGAGGGTAGCAGTGTGACTCTGGAGGACCCGCCAGGTATCCGGTCGAGCCCCACAGAGACACGGG
CTGAAACCGAGTCAGATGCACATTTTGGAGCTTATCTGTTGGACTGTGAACATACTCCAGTCTTATCAAG
TGCCCCCAGGTCACCAAGCAGCCACAGAAGCGTTCGCCGGCTGCTTCTCTCACACTCAGGTGATTGAG
TTGGAGAGGAAGTTCAGCCATCAGAAGTACCTGTCCGCCCTGAAAGGGCTCACCTGGCCAAGAACCTCA
AACTCACCGAAACCAAGTAAAAATATGGTTCCAGAACAGACGCTACAAGACTAAGCGAAGGCAGCTGTC
AGAAGACCTGGGAGTCTTGGAGAAGAACTCCACATTGTCTTTGCCAACCTGAAAGATGACAGCCTATCC
AGGGCTCCTTGGTCTCCGTGTATGCTAGCTACCCCTACTACCCCTACCTATACTGTCTGGGCAGCTGCC
ATCCAACTTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206429 representing NM_001034144
Red=Cloning site Green=Tags(s)

MLRVAEPQEARLEAGGRSPWAAPPTQSKRLTSFLIQDILRDHAERRGGQPSTPQHQCQDPKRDSELD
 EAEGSSVTLEDPPGIRSSPTETRAETESDAHFEYLLDCEHTPVLSSAPQVTKQPQKRSRAAFSHTQVIE
 LERKFSHQKYL SAPER AHLAKNLKLTETQVKIWFQNRRYKTKRRQLSEDLGVLEKNSTLSLPTLKDDSL
 RASLVSVYASYPYPYL YCLGSWHPTFW

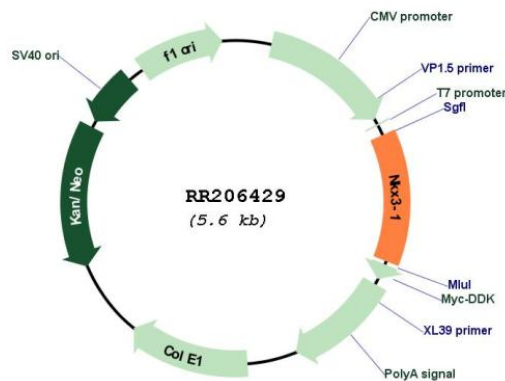
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034144
ORF Size: 714 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:	<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:	NM_001034144.1 , NP_001029316.1
RefSeq Size:	1800 bp
RefSeq ORF:	717 bp
Locus ID:	305999
Cytogenetics:	15p11
MW:	27.1 kDa