

Product datasheet for **RN207063**

Nkx6-1 (NM_031737) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nkx6-1 (NM_031737) Rat Untagged Clone
Tag: Tag Free
Symbol: Nkx6-1
Synonyms: Nkx6.1; Nkx6a; Nkx61
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207063 representing NM_031737
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGTTAGCTGTGGGGCGATGGAGGGCCCCGGCAGAGCGGTTCTGCTCAGCAGCCCGCCTTGCCG
CCCTGCACAGCATGGCCGAGATGAAGACCCCGCTACCCTGCCGCTATCCCCGCTGCCACCGGGCC
CCCTCCTCCTGTCCTCGTCTCCTCGTCTCCTCGTCCCTCGCCCTCCACCTTTGGGGCACACAACCGGGC
GGTTTGAAGCCCCGGCCGGGGGGCCCTCTCGTCCCTGGGCAGCCCCCGCAGCAGCTTTCGGCGGCCA
CTCCGCACGGCATCAACGACATCCTGAGCCGGCCCTCCATGCCGGTGGCCTCGGGGGCCGCCCTGCCCTC
CGCCTCGCCCTCGGGTCTTCTTCTCCTCCTCCTCGTCCGCTCCGCCACCTCGGCCTCTCGGGCCGCC
GCTGCTGCTGCCGCTGCCCGCCGCTGCCGCTCATCGCCCGCCGGGCTGTTGGCCGGCCTGCCCGCT
TCAGCAGCCTGAGCCCTCCGCCACCGCCCGGGGCTCTACTTTAGCCCCAGCCCGGGCCGTGGCCGC
CAGAGCCCGCTTGGAGGGACGCGCCCTTGCCTGTACCCCATCAAGGATCCATTTTGGTGGACAAAG
ATGGGAAGAGAAAACACACCAGACCACATTCTCGGCCAGCAGATCTCGCCCTGGAGAAGACTTCGA
ACAAACGAAGTACTTGGCAGGACCAGAGAGAGCAGCTTGGCCTATTCTCTGGGATGACGGAGAGTCAG
GTCAAGGTCTGGTTCCAGAATCGCGGACCAAGTGGAGAAAGAAGCACGAGCCGAGATGGCCACCGCCA
AGAAGAAGCAGGACTCGGAGACTGAGCGGCTCAAGGGGACTTCGGAGAACGAGGAGGACGACGATTA
CAACAAGCCCCTGGACCCGAACCTGACGACGAGAAAATCACTCAGCTGCTGAAAAGCACAAATCCAGC
GGAGGCAGCCTCCTGCTGCACGCGTCGGAGGCCGAGGGCTCGTCT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_031737



Insert Size:	1098 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_031737.1, NP_113925.1</u>
RefSeq Size:	3211 bp
RefSeq ORF:	1098 bp
Locus ID:	65193
UniProt ID:	<u>O35762</u>
Cytogenetics:	14p22
Gene Summary:	pancreatic beta-cell-specific transcription factor important for the formation of the insulin-producing beta-cells [RGD, Feb 2006]