

Product datasheet for RR209682

Nkx6-2 (NM_001107558) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nkx6-2 (NM_001107558) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nkx6-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209682 representing NM_001107558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCTAACCGCCCGGGCGGTTTGTGCTGAGCAGCGCGCCTTTAGCCGCGCTGCACAACATGGCTG
AGATGAAGACGTCGCTGTTCCCTACGCGCTGCAGGGCCCGGGGCTTCAAGACACCGGCCCTAGGCAG
CCTTGGCGCGCAGTTGCCTCTAGGCACTCCGCACGGCATCAGCGACATCCTGGGACGGCTGTGGGAGCA
GCGGGTGGCGGCCTCCTGGGAAGTCTGCCCGTCTCAACGGGCTCGCCTCGTCCGAGGTGTCTACTTCC
GGCCCGCAGCTGCGGTGGCTCGGGCTACCCCAAGCCGCTGGCGAACTGCCTGGGCGCCGCCCATCTT
CTGGCCCGGGGTGGTGCAGGGCTCTCCCTGGAGGGACCCGCGCCTGGCCGGCTCGGCCAAGCCGGCGGG
GTCCTGGATAAGGATGGCAAGAAGAACTCGCGGCCGACTTTCTGCGCCAGCAGATCTTCCGCTGG
AGAAGACTTTCGAGCAGACCAAGTACTTGGCAGGCCAGAGCGCGCGGCTTGCCTACTCTGGGCAT
GACCGAGAGCCAGGTGAAGGTGTGGTCCAGAATCGGCGGACCAAGTGGCGCAAGCGGCACGCGGCAGAG
ATGGCGTCGGCTAAAAAGAAGCAGGACTCGGATGCCGAGAAGCTGAAGGTGGTGGCTCAGACGCGGAGG
ATGATGACGAGTACAACCGGCCCTGGACCCAACTCCGATGACGAGAAGATCACGCGGCTTCTCAAAA
GCACAAACCTCGAACTTGGCGCTTGTAGCCCGTGTGGCGCAGCGGGGGACGCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209682 representing NM_001107558
Red=Cloning site Green=Tags(s)

MDANRPGAFVLLSSAPLAALHNMAEMKTSLFPYALQGPAGFKTPALGSLGAQLPLGTPHGISDILGRPVGA
 AGGGLLGSLPRLNGLASSAGVYFGPAAAVARGYPKPLAELPGRPPIFWPGVVQGSFWRDPRLAGSAQAGG
 VLDKDGKKKHSRPTFSGQQIFALEKTFEQTKYLAGPERARLAYS LGMTESQYKVVWFQNRRTKWRKRAAE
 MASAKKKQSDAEKLVGGSDAEDDDEYNRPLDPNSDDEKITRLLKHKPSNLALVSPCGGSAGDAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107558

ORF Size: 831 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_001107558.2](#), [NP_001101028.1](#)

RefSeq Size: 1267 bp

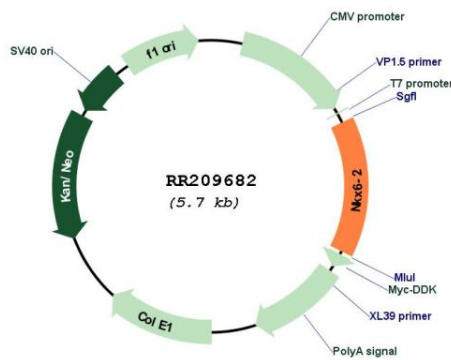
RefSeq ORF: 834 bp

Locus ID: 309095

Cytogenetics: 1q41

MW: 29.4 kDa

Product images:



Circular map for RR209682