

Product datasheet for **RN208361**

Wnk4 (NM_175579) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnk4 (NM_175579) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wnk4
Synonyms:	Ac2-059; Prkwk4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208361 representing NM_175579 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGCTAGCACCTCGAAATACAGAGACCGGGTCCACATGTCCAAACGGAGGCCGACCTGGCTTTGCGGC
CATCTCGTCTCTCACCTCCATGGGGCCGACCCGCTGGGGCCACCTCCTCGCCGAGTGCGCCGTTCTC
TGGGAAGGCTGAGCCCCGGCCGGCTCTTCGAGACCGAGCCGCCGAGCTCAGTCGATCTGGGACTGTTG
AGCTCCTGGTCTCAACCAGCCTCACTCCTCCGGAACCTCTGATCCTCCGACTCCGCTGGTCCCATGA
GGAGCCACCTTCAAACCTCTAAAGAACACCCCGAGGGCACATGGACGGGGGAGCCCCGGTGAAGGCTGC
AGACTCTGCCTGTCTGAGCTTACAGTATCTTCCGGAGGTCGGGGTCCCGGGAGCCACCAAGGGTTCCT
GATGCTGCAGCCCGGGAACGGCGGGGAGCAGGAAGAAAAAGAGGACACAGAGACCCAGGCTGTGGCAA
CGTCTCCCGACGGCCGATACCTCAAGTTTGACATTGAGATTGGAAGAGGTTCTTCAAGACCGTGTATCG
AGGGCTAGACACCGACACCACGGTAGAGGTGGCCTGGTGTGAGCTGCAGGCTCGGAACTCTCTCGGGCT
GAACGGCAGCGTTTCTCTGAGGAAGTTGAGATGCTCAAGGGGCTGCAGCACCCCAACATCGTCCGCTTCT
ATGACTCCTGGAAGTCGGTCTGAGGGGTCAGGTTTGCATCGTGTGGTACAGAACTCATGACCTCGGG
CACGCTCAAGAGTACCTGAGGAGATTCGAGAAATGAAGCCCGAGTCCCTTCAGCGCTGGAGTCGCCAG
ATCCTACGGGGACTTCATTTCTTACATTCGCCGAGTGCCCCCATCCTGCACCGAGATCTCAAATGTGACA
ATGTCTTCATTACCGCCCTTACGGCTCTGTCAAATCGGAGATCTCGGACTGGCCACGCTCAAGCGCGC
CTCCTTTGCCAAGAGCGTCATTGGGACCCCGAATTCATGGCCCTGAGATGTATGAGGAAAAGTACGAC
GAGGCTGTGGATGTGTACGCTTTGGCATGTGCATGCTGGAGATGGCTACGTCTGAGTATCCCTACTCTG
AGTGTGACAACGACGACAAAATCTACCGAAAGGTCACCTCGGGCACAAGCCCAACAGCTTCTACAAAGT
GAAGATGCCAGAGGTGAAGGAGATCATTGAAGGCTGCATCCGCACGGATAAGAATGAGAGGTTCACTATC
CAGGATCTTCTGACCCACGCTTCTTCCGCGAGGAACGTGGTGTGCATGTGGAGCTGGCAGAGGAAGATG
ATGGAGAGAAGCCGGTCTCAAACCTCTGGCTGCGCATGGAGGACGCACGACGCGGGGGGCCCAAGGGA
CAACCAGGCCATCGAGTTCCTGTTCCAGCTCGGTGCGGATGCAGCGGAAGAGGTGGCTCAGGAGATGGTA
GCCTTGGGCTTAGTCTGCGAAGCAGACTACCAGCCAGTGGCCCGTGCAGTTTCGAGAACGGGTTGCTGCCA



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TCCAGCGGAAGCGGGAGAAGCTAAGAAAAGCCAGGGAATTGGAGTTCTCCCACCAGACTCAGGACCTCC
TCCAGCAACTGTGTCTATGACTCCTGGTCCCCCAGTGCCTTCCCCCAGAGCCCAGGAGCCAGAGGCT
GACCAGACCAATCCTTCCTTCCGCCATGCCAGTACTCATCCACTACATCTGATTGCGAGACTGATG
GCTACCTCAGTCTCCTCCGGTTCCTGGATGCCTCAGACCCTGCCCTTCCAGCCCCGGGGGATGCCATC
CAGCCCCGCTGAGCCCCATCTCTGCTTGGCCTCGGGTTTTGCCTTGTCCATTCCACGGTCTGGCCCTGGC
AGTGACTTTTTCTCCTGGGGACAGCTACGCCTCAGATGCAGCCTCAGGCCTCAGTGACATGGGAGAAGGGG
GGCAAAATGAGGAAAAATCCAGTGAAGACTCTGCGACGGAGACCTCGATCCCGGCTTCGGGTCACGAGTGT
CTCAGACCAGAGCGACAGAGTCGTGGAGTGCCAGCTGCAAACTACAACAGCAAGATGGTGACGTTCCGA
TTTGATCTGGATGGGGACAGCCAGAAGAAATCGCAGCTGCCATGGTTTATAATGAATTCATTCTGCCCT
CGGAGCGAGACGGATTCTGAGCCGGATCCGGGAGATTATCCAGCGAGTGGAGACCCTGCTGAAGAGAGA
TGCTGGTCCCTCGGAGGCCACTGAAGATGCGCTGAGCCCTCAGGAAGAGGCAGCAGCCATGCCTGCCCTC
CCAGGCCATCCGATGAAGAGCTCCAGAGAAGCATCTCCCGAACAGAGGAGCTGGGCAGCCTTCTCTA
CATCTCCATCTTCTCCTGGCACCCCTTGTCCCTGGAACCCCTTTTCCCTGGGACCCCTCTGTCTT
CCCATGCCCATCTTCCCTATCACTTACCCTCATGCCATCCCTACCCGTTCTCACAGGTCTCTTCAAAT
CCCTGTCCACAGGCCCCAGCTCCCTACTTCCCTCCTCCTCCGGTGTCTCAGGTTCCATTCCCATCCC
CTTCCCTTCCCACCAGCTCTCCCTCCCATTCTCTCCTAGTTATCCCCAAGTCCCTCTTACCCTGCTTC
TCTTCCCACCTGCCCTCCCCTCCCCTCTCCCCTCCACCACAGCAGCCCTCTCCTCTCTCTGGCTAGT
GCCTTCTCTCTGGCTGTGATGACTGTGGCCAGTCCCTGCTGTCCCCATCCCCTGGGCTTCTCTCAGT
CTCCTCCAGCCCTCCAGGCTCTGCCTAGCATGCCCTTCCCCTTGCCTTGTGACCCAGGAGAGCCT
TTCAGCCCAAACAGCTGAGACAGAGAATGAGGCTTCCCGAAATCTGCTCAGCCACTACTGGGTGATGCT
AGACTGGCACCCATATCTGAAGAGGGAAAAACCCAGCTGGTTGGCCGATTCCAAGTGACTTCATCCAAGG
AACCAGCAGAGCCTCCCCTACAACCAGCATCTCCAATCTCTCCAGATCCCTAAAGCTTCCAACCCCTCA
GCTGACCTCAGAGAGTTCAGACACAGAGGACAGTGTGCAGGAGGACCAGAGACCAGGGAGGCTCTGGCA
GAGAGTGACCGTGCAGCCGAGGGCTTGGGGTCCGCATCGATGAGGAAAAGGATGAAGGGAAGGAACCCC
AAATTGGGGCAGTTCCCAATCTTGAGCCAGCCAGCCAGTGTGGATGAACTACTCCTACAGCAGCCT
GTGTCTAAGCAGTGAGGAGTCCAGAGCAGCGGGGAGGACGAGGAGTTCTGGGCTGAGCTGCAGAACCTT
CGGCAGAAGCACTTGTGGAAGTGAAGCACTACAGACGCTACAGAAGAAGGAAATCGAAGACTTGTACA
GCCGGCTTGGAAAGCAACCCCACTGGTATTGTAGCTCCAGCGGCTATGCTGTCTGCCCCAGCGCCG
CCTCTCAAGGGAAGCTTCCCACCTCCCGCCCAACAGCCTGCAGCGCTCTGATCTCCTGGCCCTGGC
ATCATGCGGAAGAATCTCTGAGTGGCAGCAGCACCGGCTCCCAGGAGCAGCGGCAAGCAAGGGGGTGA
CATTCCCGGGGATGTTGGCAGGATGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_175579

Insert Size:

3669 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:

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_175579.3](#), [NP_783169.2](#)

RefSeq Size: 4093 bp

RefSeq ORF: 3669 bp

Locus ID: 287715

UniProt ID: [Q7TPK6](#)

Cytogenetics: 10q31

Gene Summary: mutation of the human homolog causes pseudohypoaldosteronism type II [RGD, Feb 2006]