

Product datasheet for **RN201496**

Kirrel1 (NM_207606) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kirrel1 (NM_207606) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kirrel1
Synonyms:	Kirrel; Kirrel1; Neph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201496 representing NM_207606
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTCTGGAGAACCGTAGCACATGTCTAATGACCTGCCAATCAAGCCTGCTCCCCAAGAAGCCCAGGT
 TTCTGAGTCAGAAGATGTGGGCTCCACACTTAGTCGTTGCTTATCTTATCTTTGTGACTTTGGCTTTGGC
 GTTGCCTGGGACCCAGACTCGCTTCAGCCAGGAGCCAGCTGATCAGACCGTGGTAGCCGGACACCGGGCA
 GTGCTCCCGTGCCTGCTCCTCAACTACTCTGGGATCGTACAATGGACCAAGGACGGGCTGGCTCTGGGTA
 TGGGCCAGGGCCTCAAAGCCTGGCCACGGTACCGAGTCGTGGGCTCTGCGGATGCTGGGCAATACAACT
 GGAGATCACGGATGCCGAGCTGTCTGATGACGCTTCTATGAGTGCCAGGCCACGGAGGCTGCCCTGCGC
 TCTCGGCGGGCCAAACTCACCGTCTATTCTCCAGAGGACACAAGGATTGATGGGGGCCCGGTGATTC
 TGCTGCAAGCAGGCACCCCTACAACCTCATGCGGAGCATTTAATGCCAAGCCTGCTGCCACCATCAT
 TTGTTCCGGGATGGGACACAGCAGGAGGGGGCTGTGACTAGCACGGAGCTGCTGAAGGATGGGAAAAGG
 GAGACTACAATACGCCAGCTACTCATTACGCCACAGACCTAGACATCGGCCGCGTATTCACCTGTGCGA
 GCATGAATGAGGCCATCCCCAATGGCAAGGAGACGTCCATTGAGCTGGATGTACACCACCCTCTACAGT
 GACTCTGTCCATTGAGCCCCAGACAGTGTGGAGGGCAGCGCGTCATCTTTACGTGCCAGGCCACAGCC
 AACCCGGAGATCTGGGCTACAGGTGGGCCAAAGGGGGTTCTGATTGAAGACGCCATGAGAGTCGCT
 ATGAGACAAATGTTGATTATTCCTTCTTACGGAGCCCGTGTCTTGTGAGGTTGATAGCAAAGTCGGGAG
 CACCAATGTCAGCACTGTAGTGAACGTTCACTTTGCCCCCGGATTGTAGTTTACCAAAGCCCACAACC
 ACAGACATTGGATCTGATGTGACCCTCACTTGTGTCTGGGTTGGGAATCCCCCTCACCCCTCACCTGGA
 CCAAGAAGGATCAAACATGGTCTCTGAGTAACAGCAATCAACTGTTGCTGAAGTCACTGACCCAGCAGA
 TGCTGGCACCTATACCTGCCGTGCCATAGTGCCTCGAATCGGAGTGGCTGAGCGAGAGGTACCCCTTTAT
 GTGAATGGACCCCTATCATCTCCAGCAGGCGGTGCAGTTTGTGTGAGAGGGGATGGCGGTAAGTGG
 AGTGCTTCATCGGGAGTACCCCCCTCCGGATCGAATTGCATGGGCTTGAAGGAGAACTTCTAGAGGT
 GGGGACACTGGAACGATACTGTGGAGAGGACAACTCAGGCAGTGGTGTGCTGTCCACTCTCACCATC
 AATAACGTCATGGAGGCCGACTTCCAGACCCACTACAACGCACTGCCTGGAACAGCTTTGGACCAGGCA
 CAGCCATCATCCAGCTGGAGGAGCGAGAGGTGTTACCTGTGGGCATCATCGCTGGGGCCACCATCGGTGC
 TGGCATCTGCTGCTTCTCTTTTGTGCCTTAGTGTTCTTTCTTCTACCGACGTCGAAAGGCAGTCGA
 AAGGATGTGACGTTGAGGAAGCTGGACATCAAGGTAGAGACAGTGAATCGGGAGCCACTTACAATGCACT
 CTGACCCGGGAGGATGATACCACCAGCATTTCACGGCAACTCGGGTCATGAAAGCCATCTACTCGTCCTT
 TAAGGATGATGTGGATCTGAAACAGGACCTGCACTGTGACACCATCGAGACCCGGGAAGAGTATGAGATG
 AAAGATCCAACCAATGGTTATTACAACGTGCGTGCCACGAAGATCGCCCATCTTCCAGGGCGGTGCTAT
 ATGCTGACTACCGTGCCCTGGCCCTACTCGTTTTGATGGGCGCCCATCATCCCGCTGTCCCACTCCAG
 TGGTTATGCCAGCTGAATACATACAGCCGAGCCCGCCTCTGACTATGGCACAGAGCCGACACCCTCT
 GGCCCTTCTGCTCCAGGTGGCACCGATAACAACCAGCCAGCTGTCTACGAGAATATGAGAAGTTCAACT
 CCCACCCCTTTCCGGGGCAGCTGGGTATCCTACCTACCGTCTAGGCTACCCCAAGGCCACCCCTCTGG
 CCTGGAGAGGACCCCTATGAAGCCTATGACCCTATTGGCAAGTATGCCACCGCCACTCGGTTCTCTAC
 ACCTCTCAACACTCAGACTACGGCCAGCGATTCCAGCAGCGCATGCAGACTCACGTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3196_b01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_207606

Insert Size: 2370 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_207606.1](#), [NP_997489.1](#)

RefSeq Size: 2370 bp

RefSeq ORF: 2370 bp

Locus ID: 310695

UniProt ID: [Q6X936](#)

Cytogenetics: 2q34

Gene Summary: member of the nephrin-like protein family; forms cis hetero-oligomers with nephrin; involved in maintaining the filtration barrier of the renal glomerulus [RGD, Feb 2006]