

Product datasheet for **MC217959**

Kirrel1 (BC023765) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kirrel1 (BC023765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kirrel1
Synonyms:	6720469N11Rik; Kirrel1; Neph1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC023765
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTCTGGAGAGCCCTAGCACACGTCTAATGACCTGCCAATCAAGCCTGCTCCCTGAGAAGCCCAGGT
 TTCTGAGTCAGAAGATGTGGGCTCCACACTTAGTCGTTGCTTATCTTATCTTTTGACTTTGGCTTTGGC
 TTTGCCCGGGACTCAGACTCGTTCAGCCAGGAGCCAGCTGATCAGACTGTGGTGCCGGACAGCGGGCG
 GTGCTCCCGTGTGTGCTCCTAACTACTCTGGGATTGTACAGTGGACCAAGGACGGGCTGGCCCTGGGTA
 TGGGCCAGGGCCTCAAAGCCTGGCCACGGTACCGGGTCTGGGCTCTGCGGATGCTGGGCAATACTT
 GGAGATCACAGATGCCGAGCTGTCTGATGACGCTTCTATGAGTGCCAGGCCACGGAGGCTGCCCTGCGC
 TCTCGGCGGGCCAACTACCGTCTCATTCTCCAGAGAAACAAGGATTGATGGGGGCCCGGTGATTC
 TGCTGCAAGCAGGCACCCCTACAACCTCACGTGCAGAGCATTTAATGCCAAACCTGCTGCCACCATCAT
 TTGGTTCCGAGATGGGACACAGCAGGAGGGGGCTGTGACTAGCACGGAGCTGCTGAAGGATGGGAAAAGG
 GAGACCACAATACGCCAACTGCTCATTGAGCCACAGACCTAGACATTGGCCGCGTATTCACCTGTGCGA
 GTATGAATGAGGCCATCCCAATGGCAAGGAGACATCCATTGAGCTTGATGTGCACCACCCTCCACAGT
 GACTCTGTCCATCGAGCCCCAGACAGTGTGGAAGGCGAGCGTGTCAATTTTACATGCCAGGCCACAGCC
 AACCCAGAGATCTTGGGCTACAGGTGGGCCAAAGGGGCTTCTTGATTGAAGACGCCCATGAGAGTCGCT
 ATGAGACAAACGTTGACTATTCCTTCTTACGGAGCCTGTGTCTTGTGAGGTTTATAACAAAGTCGGGAG
 CACCAATGTCAGCACTTGTAGTGAATGTTCACTTCGCCCCCGGATTGTAGTTTACCCAAAGCCCACCACC
 ACAGACATTGGATCTGATGTGACCCTCACTTGTGTCTGGGTTGGGAATCCTCCCTCACCTCACCTGGA
 CCAAGAAGGACTCAAACATGGTCTGAGTAACAGCAATCAACTGTTGCTGAAGTCAGTGACCCAGGCAGA
 TGCTGGCACCTATACCTGCCGGCCATCGTGCCTCGGATCGGAGTGCTGAGCGAGAGGTACCGCTTTAT
 GTAAACGGACCTCCTATCATCTCCAGCAGGCGGTACAGTTTGCTGTGAGAGGTGATGGCGGTAAGGTGG
 AGTGCTTTATCGGGAGTACCCACCTCCGGATCGAATTGCATGGGCATGGAAGGAGAAGTTCCTCGAGGT
 GGGGACCCTGGAACGCTACACCGTGGAGAGGACGAACTCAGGCAGCGGTGTGCTGTCCACGCTCACCATT
 AATAATGTCATGGAGGCGGACTTCCAGACCCACTACAACCTGCACTGCCTGGAACAGCTTTGGACCAGGCA
 CAGCCATCATCCAGCTGGAAGAGCGAGAGGTGTTACCTGTGGGCATCATTGCCGGGGCCACCATCGGTGC
 CGGCATCCTGGTCTTCTCTTTTGTGCTTAGTGTCTTCTCTACCGACGTCGAAAGGCAGTCGA
 AAGGATGTGACGTTGAGGAAGCTGGACATCAAGGTGGAGACGGTGAATCGGGAGCCACTACGATGCACT
 CTGACCGGGAGGATGATACTGCCAGCATTTCCACGGCAACCGGGTTCATGAAGGCCATCTACTCGGTGAG
 GATAATGCTCCTTTCAACGTGGCCTAGGCTCTTATTGTCTACGGCCAGCCCCACCAGCTTTAATGAT
 TTCGGTACCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC023765

Insert Size: 1905 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: [BC023765](#), [AAH23765](#)

RefSeq Size: 2228 bp

RefSeq ORF: 1904 bp

Locus ID: 170643

Cytogenetics: 3 F1

Gene Summary: Plays a significant role in the normal development and function of the glomerular permeability. Is a signaling protein that needs the presence of TEC kinases to fully trans-activate the transcription factor AP-1.[UniProtKB/Swiss-Prot Function]