

Product datasheet for **MC221654**

Kirrel (NM_130867) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kirrel (NM_130867) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kirrel
Synonyms:	6720469N11Rik; Kirrel1; Neph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221654 representing NM_130867
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTCTGGAGACCCCTAGCACACGTCTAATGACCTGCCAATCAAGCCTGCTCCCTGAGAAGCCCAGGT
 TTCTGAGTCAGAAGATGTGGGCTCCACACTTAGTCGTTGCTTATCTTATCTTTGTGACTTTGGCTTTGGC
 TTTGCCCGGGACTCAGACTCGCTTCAGCCAGGAGCCAGCTGATCAGACTGTGGTGCCGGACAGCGGGCG
 GTGCTCCCGTGTGTGCTCCTAACTACTCTGGGATTGTACAGTGGACCAAGGACGGGCTGGCCCTGGGTA
 TGGGCCAGGGCCTCAAAGCCTGGCCACGGTACCGGGTCTGGGCTCTGCGGATGCTGGGCAATACTT
 GGAGATCACAGATGCCGAGCTGTCTGATGACGCTTCTATGAGTGCAGGCCACGGAGGCTGCCCTGCGC
 TCTCGGCGGGCCAACTACCGTCTCATTCTCCAGAGAAACAAGGATTGATGGGGGCCCGGTGATTC
 TGCTGCAAGCAGGCACCCCTACAACCTCACGTGCAGAGCATTTAATGCCAAACCTGCTGCCACCATCAT
 TTGGTTCCGAGATGGGACACAGCAGGAGGGGGCTGTGACTAGCACGGAGCTGCTGAAGGATGGGAAAAGG
 GAGACCACAATACGCCAACTGCTCATTGAGCCACAGACCTAGACATTGGCCCGCTATTCACCTGTGCGA
 GTATGAATGAGGCCATCCCAATGGCAAGGAGACATCCATTGAGCTTGATGTGCACCACCCTCCACAGT
 GACTCTGTCCATCGAGCCCCAGACAGTGTGGAAGGCGAGCGTGTCAATTTTACATGCCAGGCCACAGCC
 AACCCAGAGATCTTGGGCTACAGGTGGGCCAAAGGGGCTTCTTGATTGAAGACGCCCATGAGAGTCGCT
 ATGAGACAAACGTTGACTATTCCTTCTCACGGAGCCTGTGTCTTGTGAGGTTTATAACAAAGTCGGGAG
 CACCAATGTCAGCACTTGTAGTGAATGTTCACTTCGCCCCCGGATTGTAGTTTACCCAAAGCCCACCACC
 ACAGACATTGGATCTGATGTGACCCTCACCTGTGTCTGGGTTGGGAATCCTCCCTCACCTCACCTGGA
 CCAAGAAGGACTCAAACATGGTCTCTGAGTAACAGCAATCAACTGTTGCTGAAGTCACTGACCCAGCAGA
 TGCTGGCACCTATACCTGCCGGGCCATCGTGCCTCGGATCGGAGTGGCTGAGCGAGAGGTACCGCTTTAT
 GTAACCGACCTCCTATCATCTCCAGCAGGCGGTACAGTTTGTGTGAGAGGTGATGGCGGTAAGTGG
 AGTGCTTTATCGGGAGTACCCACCTCCGGATCGAATTGCATGGGCATGGAAGGAGAAGTTCCTCGAGGT
 GGGGACCCTGGAACGCTACACCGTGGAGAGGACGAACTCAGGCAGCGGTGTGCTGTCCACGCTCACCATT
 AATAATGTCATGGAGGCGGACTTCCAGACCCACTACAACCTGCACTGCCTGGAACAGCTTTGGACCAGGCA
 CAGCCATCATCCAGCTGGAAGAGCGAGAGGTGTTACCTGTGGGCATCATTGCCGGGGCCACCATCGGTGC
 CGGCATCTGGTCTTCTCTTTTGTGCCTTAGTGTCTTCTCTACCGACGTCGAAAGGCAGTCGA
 AAGGATGTGACGTTGAGGAAGCTGGACATCAAGGTGGAGACGGTGAATCGGGAGCCACTTACGATGCACT
 CTGACCCGGAGGATGATACTGCCAGCATTTCACGGCAACGCGGGTCAATGAAGGCCATCTACTCGTCCTT
 TAAGGATGATGTGGATCTGAAGCAGGACCTGCGCTGTGACACCATTGACACCCGGGAAGAGTATGAGATG
 AAGGATCCCAACCAATGGTTATTACAATGTGCGCGCCACGAAGATCGCCCGTCTCCAGGGCGGTGCTGT
 ATGCTGACTACCGTGCCTGGCCCTACTCGTTTTGATGGGCGCCCATCATCCCGCTGTCCCACTCCAG
 TGGTTATGCCAGCTCAATACGTACAGCCGGGCCCTGCCTCTGACTATGGCACAGAGCCTACACCCTCT
 GGCCCTTCTGCTCCGGTGGCACCGATACGACCAGCCAGCTGTCTACGAGAATATGAGAAGTTCAACT
 CCCACCCCTTTCCGGGGCAGCTGGGTATCCTACATACCGTCTAGGCTACCCCAAGGCCACCCCTCTGG
 CCTGGAGAGGACCCCTACGAAGCGTATGACCCTATTGGCAAGTATGCCACCGCCACTCGGTTCTCTAC
 ACCTCTCAGCACTCAGACTATGGCCAGCGATTCCAGCAGCGCATGCAGACTCATGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_130867
Insert Size: 2370 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:	NM_130867.3 , NP_570937.2
RefSeq Size:	7284 bp
RefSeq ORF:	2370 bp
Locus ID:	170643
UniProt ID:	Q80W68
Cytogenetics:	3 F1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>