

## Product datasheet for **MG209638**

### **Kirrel1 (BC023765) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kirrel1 (BC023765) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kirrel1
Synonyms:	6720469N11Rik; Kirrel1; Neph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209638 representing BC023765  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTCTGGAGAGCCCTAGCACACGTCTAATGACCTGCCAATCAAGCCTGCTCCCTGAGAAGCCCAGGT  
 TTCTGAGTCAGAAGATGTGGGCTCCACACTTAGTCGTTGCTTATCTTATCTTTGTGACTTTGGCTTTGGC  
 TTTGCCCGGGACTCAGACTCGCTTCAGCCAGGAGCCAGCTGATCAGACTGTGGTGCCGGACAGCGGGCG  
 GTGCTCCCGTGTGTGCTCCTAACTACTCTGGGATTGTACAGTGGACCAAGGACGGGCTGGCCCTGGGTA  
 TGGGCCAGGGCCTCAAAGCCTGGCCACGGTACCGGGTCTGGGCTCTGCGGATGCTGGGCAATACTT  
 GGAGATCACAGATGCCGAGCTGTCTGATGACGCTTCTATGAGTGCCAGGCCACGGAGGCTGCCCTGCGC  
 TCTCGGCGGGCCAACTACCGTCTCATTCTCCAGAGAAACAAGGATTGATGGGGGCCCGGTGATTC  
 TGCTGCAAGCAGGCACCCCTACAACCTCACGTGCAGAGCATTTAATGCCAAACCTGCTGCCACCATCAT  
 TTGGTTCCGAGATGGGACACAGCAGGAGGGGGCTGTGACTAGCACGGAGCTGCTGAAGGATGGGAAAAGG  
 GAGACCACAATACGCCAACTGCTCATTGAGCCACAGACCTAGACATTGGCCGCGTATTCACCTGTGCGA  
 GTATGAATGAGGCCATCCCAATGGCAAGGAGACATCCATTGAGCTTGATGTGCACCACCCTCCACAGT  
 GACTCTGTCCATCGAGCCCCAGACAGTGTGGAAGGCGAGCGTGTCAATTTTACATGCCAGGCCACAGCC  
 AACCCAGAGATCTTGGGCTACAGGTGGGCCAAAGGGGGCTTCTTGATTGAAGACGCCCATGAGAGTCGCT  
 ATGAGACAAAACGTTGACTATTCCTTCTTACGGAGCCTGTGTCTTGTGAGGTTTATAACAAAGTCGGGAG  
 CACCAATGTCAGCACTTAGTGAATGTTCACTTCGCCCCCGGATTGTAGTTTACCCAAAGCCCACCACC  
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 AGTGCTTTATCGGGAGTACCCACCTCCGGATCGAATTGCATGGGCATGGAAGGAGAAGTTCCTCGAGGT  
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 AATAATGTCATGGAGGCGGACTTCCAGACCCACTACAACCTGCACTGCCTGGAACAGCTTTGGACCAGGCA  
 CAGCCATCATCCAGCTGGAAGAGCGAGAGGTGTTACCTGTGGGCATCATTGCCGGGGCCACCATCGGTGC  
 CGGCATCTGGTCTTCTCTTTTGTGCTTAGTGTCTTCTCTACCGACGTCGAAAGGCAGTCGA  
 AAGGATGTGACGTTGAGGAAGCTGGACATCAAGGTGGAGACGGTGAATCGGGAGCCACTACGATGCACT  
 CTGACCGGGAGGATGATACTGCCAGCATTTCCACGGCAACCGGGTTCATGAAGGCCATCTACTCGGTGAG  
 GATAATGCTCCTTCAACGTGGCCTAGGCTCTTATTGTCTACGGCCAGCCCCACCAGCTTTAATGAT  
 TTCGGTTACCTC

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209638 representing BC023765  
 Red=Cloning site Green=Tags(s)

MTLESPTRLMTCQSSLLPEKPRFLSQKMWAPHLVVAYLIFVTLALALPGTQTRFSQEPADQTVVAGQRA  
 VLPCVLLNYSIGIVQWTKDGLALGMGQGLKAWPRYRVVGSADAGQYNLEITDAELSDDASYEQATEAALR  
 SRRAKLTVLIPPEETRIDGGPVILLQAGTPYNLTCRAFNAKPAATIIWFRDGTQQEGAVTSTELLKDGKR  
 ETTISQLLIEPTDLIGRVFTCRSMNEAIPNGKETSIELDVHHPPTVTLSEIPEQTVLEGERVIFTCQATA  
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 TDIGSDVTLTCVWVGNPPLTLTWTKKDSNMVLSNSNQLLLKSVTQADAGTYTCRAIVPRIQVAEREVPLY  
 VNGPPIISSEAVQFAVRGDGGKVECFIGSTPPPDRIAWAWKENFLEVGLERTYVERTNSGSGVLSTLTI  
 NNVMEADFQTHYNCTAWNSFGPGTAIIQLEEREVLPVGIAGATIGAGILVVFSAALVFFLYRRRKGSR  
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 FRYL

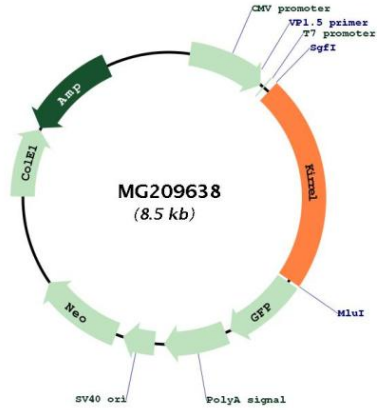
**TRTRPLE** – GFP Tag – V



**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]

**Product images:**



Circular map for MG209638