

## Product datasheet for **RG206254**

### **KIR5.1 (KCNJ16) (NM\_018658) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KIR5.1 (KCNJ16) (NM\_018658) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KIR5.1  
**Synonyms:** BIR9; KIR5.1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206254 representing NM\_018658  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCTATTACGGCAGCAGCTATCATATTATCAATGCGGACGCAAAATACCCAGGCTACCCGCCAGAGC  
 ACATTATAGCTGAGAAGAGAAGACAAGAAGACGATTACTTCACAAAGATGGCAGCTGTAATGTCTACTT  
 CAAGCACATTTTTGGAGAATGGGAAGCTATGTGGTTGACATCTCACCCTCTGTGGACCAAGTGG  
 CGCCATATGTTTGTGATTTTTCTTTATCTTATATTCTCTCGTGGTTGATATTTGGCTCTGTCTTTTGGC  
 TCATAGCCTTTCATCATGGCGATCTATTAATGATCCAGACATCACACCTTGTTGACAACGTCCATTC  
 TTTCACAGGGCCCTTTTTGTTCTCCCTAGAGACCCAAACCACCATAGGATATGGTTATCGCTGTGTTACT  
 GAAGAATGTTCTGTGGCCGTGCTCATGGTATCCTCCAGTCCATCTTAAGTTGCATCATAAATACCTTTA  
 TCATTGGAGCTGCCTTGGCCAAATGGCAACTGCTCGAAAGAGAGCCCAACCATTTCGTTTCAGCTACTT  
 TGCACTTATAGGTATGAGAGATGGGAAGCTTTCGCTCATGTGGCGCATTGGTGATTTTCGGCCAAACCAC  
 GTGGTAGAAGGAACAGTTAGAGCCCACTTCTCCGCTATACAGAAGACAGTGAAGGGAGGATGACGATGG  
 CATTTAAAGACCTCAAATTAGTCAACGACCAAAATCATCCTGGTCAACCCGATAAATTGTCATGAAAT  
 TGACCATGAGAGCCCTCTGTATGCCCTTGACCCAAAGCAGTAGCCAAAGATAAATTTGAGATTTTGGTG  
 ACATTTATCTATACTGGTGATTCCACTGGAACATCTACCAATCTAGAAGCTCTATGTTCCCGAGAGAA  
 TTCTCTGGGGCCATAGGTTTAAATGATGTCTTGGAAAGTTAAGAGGAAGTATTACAAAGTGAAGTCTTACA  
 GTTTGAAGGAAGTGTGGAAGTATATGCCCCCTTTTGCAGTGCCAAGCAATTGGACTGGAAGACCAGCAG  
 CTCCACATAGAAAAAGCACCACCAGTTCGAGAATCCTGCACGTCGGACACCAAGGCGAGACGAAGGTCAT  
 TTAGTGCAAGTGGCATTGTCAGCAGCTGTGAAAACCTGAGGAGACCACCACTTCCGCCACACATGAATA  
 TAGGGAACACCTTATCAGAAAGCTCTCCTGACTTTAAACAGAATCTCTGTAGAATCCCAAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

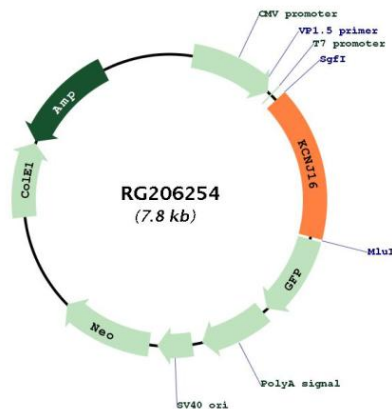


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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_018658.1, NP_061128.1</u>
<b>RefSeq Size:</b>	4021 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	3773
<b>UniProt ID:</b>	<u>Q9NPI9</u>
<b>Cytogenetics:</b>	17q24.3
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Potassium, Transmembrane
<b>Gene Summary:</b>	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which tends to allow potassium to flow into rather than out of a cell, can form heterodimers with two other inward-rectifier type potassium channels. It may function in fluid and pH balance regulation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2014]

**Product images:**



Circular map for RG206254