

Product datasheet for **SC331055**

KCNJ15 (NM_001276435) Human Untagged Clone

Product data:

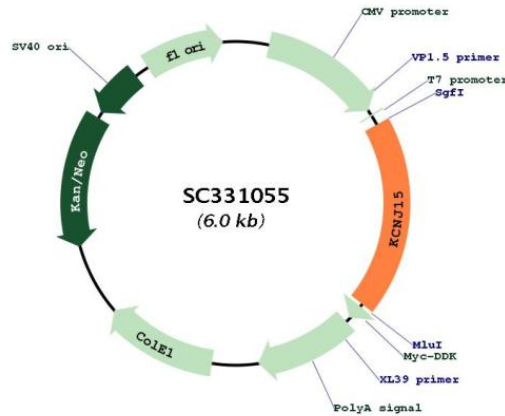
Product Type: Expression Plasmids
Product Name: KCNJ15 (NM_001276435) Human Untagged Clone
Tag: Tag Free
Symbol: KCNJ15
Synonyms: IRKK; KIR1.3; KIR4.2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331055 representing NM_001276435.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGATGCCATTACATCGGCATGTCCAGCACCCCTGGTGAAGCACACTGCTGGGGCTGGGCTCAAG
GCCAACAGACCCCGCATGTCCAAGAGTGGGCACAGCAACGTGAGAATTGACAAAGTGGATGGCATA
TACCTACTCTACCTGCAAGACCTGTGGACCACAGTTATCGACATGAAGTGGAGATACAAACTCACCTG
TTCGCTGCCACTTTTGTGATGACCTGGTTCCTTTTGGAGTCATCTACTATGCCATCGCGTTTATTCAT
GGGGACTTAGAACCCGGTGAAGCCATTTCAAATCATACCCCTGCATCATGAAAGTGGACTCTCTACT
GGGGCGTTTCTCTTTCCCTGGAATCCCAGACAACCATTGGCTATGGAGTCCGTTCCATCACAGAGGAA
TGTCTCATGCCATCTTCTGTTGGTGTCTCAGTTGGTCATCACGACCTTGATTGAGATCTTCATACC
GGAACCTTCTCGCCAAAATCGCCAGACCCAAAAGCGGGCTGAGACCATCAAGTTCAGCCACTGTGCA
GTCATACCAAGCAGAATGGGAAGCTGTGCTTGGTATTGAGTACGCAATATGAGGAAGAGCCTTTG
ATTCAGTGCCAGCTCTCTGGCAAGCTCCTGCAGACCCACGTCACCAAGGAGGGGGAGCGGATTCTCCTC
AACCAAGCCACTGTCAAATTCACGTGGACTCCTCCTCTGAGAGCCCTTCTCATTCTGCCCATGACA
TTCTACCATGTGCTGGATGAGACGAGCCCTGAGAGACCTCACACCCAAAACCTAAAGGAGAAGGAG
TTTGAGCTTGTGGTCTCCTCAATGCCACTGTGGAATCCACCAGCGCTGTCTGCCAGAGCCGAACATCT
TATATCCAGAGGAAATCTACTGGGTTTTGAGTTTGTGCCTGTGGTATCTCTCCTCAAAAATGGAAAA
TATGTGGCTGATTCAGTCAGTTTGAACAGATTCGAAAAGCCAGATTGCACATTTTACTGTGCAGAT
TCTGAGAAAAGCAACTCGAGGAGAAGTACAGGCAGGAGATCAGAGGAAAAGAGAACTGAGGACACTT
TTATTACAACAGAGCAATGCTGA
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: NM_001276435

Insert Size: 1128 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: [NM_001276435.1](#)

RefSeq Size: 3081 bp

RefSeq ORF:	1128 bp
Locus ID:	3772
UniProt ID:	<u>Q99712</u>
Cytogenetics:	21q22.13-q22.2
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	42.6 kDa
Gene Summary:	<p>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 has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Eight transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2013]</p> <p>Transcript Variant: This variant (4) uses an alternate splice junction and contains two additional exons in the 5' UTR compared to variant 1. All eight variants encode the same protein.</p>