

Product datasheet for **RN209807**

Kcnj4 (NM_053870) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj4 (NM_053870) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj4
Synonyms:	Hirk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209807 representing NM_053870
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACGGACACAGCCGCAACGGGCAGGCCACGTGCCAGGCGAAACGCCGAACCGCTTCGTCGAAGA
 AGAACGGCCAGTGCAACGTGTACTTCGCCAACCTGAGCAACAAGTCCCAGCGCTACATGGCGGACATCTT
 CACGACGTGCGTGGACACGCGCTGGCGCTACATGCTCATGATCTTCTCCGCGGCCTTCTCGTTTCTGG
 CTCTTTTTCGGCCTCCTTTTCTGGTGCATTGCCTTTTTCCACGGTGACCTGGAGCCTAGTCCCTCCGGC
 CCACGGCGGGAGGCCCGGGGGCAATGGCGGGGGCAGCCCCGACAGCGCCAAACCGTGTATCATGCA
 TGTAAACGGCTTTTTGGGAGCCTTCTCTTCTCGGTGGAGACACAGACGACCATCGGTTATGGGTTCCGG
 TGTGTGACAGAGGAGTCCCCGTGGCGGTATCGCAGTGGTTGTCCAGTCCATTGTGGGCTGTGCATCG
 ACTCCTTCATGATTGGTACTATCATGGCCAAGATGGCACGGCCCAAGAAGCGGGCGCAGACCCTGCTGTT
 CAGCCACCACGCTGTATCTCCGTGCGGGACGGCAAGCTCTGCCGATGTGGCGGTGGCAACCTGCGC
 AAGAGCCACATCGTGGAGGCCACGTCCGGGCCAGCTCATCAAGCCCTACATGACACAGGAGGGTGA
 ACCTGCCACTGGACCAGCGGGACCTCAACGTGGGCTATGACATTGGCCTGGACCGCATCTTCTTGGTGT
 ACCCATCATCATAGTGCATGAGATTGATGAGGACAGTCCACTCTACGGCATGGGCAAGGAGGAACCTGGAG
 TCGGAGGACTTTGAGATTGTGGTCATCCTGGAGGGCATGGTAGAGGCCACGGCTATGACCACACAGGCC
 GCAGCTCCTACCTGGCCAGTGAGATCCTGTGGGGCCACCAGGTTTCGAGCCTGTGGTCTTCGAGGAGAAG
 TCACTACAAGTGGACTACTCACGGTCCACAAGACCTACGAGGTGGCTGGCACCCCTTGTCTGCTGCC
 CGTGAGCTTCAAGAGAGCAAGATCACGGTGTGCCCGCCACCAGCCCTCCAGTGCCTTCTGCTATG
 AGAACGAGTTGGCCCTCATGAGCCAGGAGGAAGAAGAAATGGAAGAGGAGGCTGCTGCCGACAGCCGT
 GGCTGCCGGCCTGGGCCTGGAGGCTGGTCCAAAGAGGAGACAGGCATTATCCGGATGCTTGAGTTGGC
 AGCCACCTGGATCTGGAGCGCATGCAAGCCGTACCCTTCTCTGGACAACATTTCTTACCGCAGGGAGT
 CTGCCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1406_h02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053870

Insert Size: 1341 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_053870.2](#), [NP_446322.2](#)

RefSeq Size: 2658 bp

RefSeq ORF: 1341 bp

Locus ID: 116649

UniProt ID: [P52190](#)

Cytogenetics: 7q34

Gene Summary: inwardly-rectifying potassium channel [RGD, Feb 2006]