

Product datasheet for RR215192

Kcnj15 (NM_133321) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Kcnj15 (NM_133321) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Kcnj15
 Synonyms: Kir4.2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215192 representing NM_133321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTAGCCAGGTGGGTGAAGGGGAGCGAGGACGCGCCACTTGCCTGCAGAAGATTCTGACCTACAGA
 GTGGTCCAAGGAGCCTGAGGATGGAGGCCATTACATTGGCATGTCCAGTGCCCACTGGTGAAGCACAG
 CAATGGGGTTGGACTCAAAGCCACAGGCCCGAGTCATGTGCAAGAGTGGACACAGCAATGTGAGAATT
 GACAAGGTAGACGGTATCTATTTGCTCTACCTCCAGGACTTGTGGACGACAGTCATCGACATGAAGTGGA
 GATATAAGCTCACCTGTTTGTGCCACCTTTGTGATGACCTGGTTTCTTTTGGGGTGGTCTACTATGC
 CATAGCTTTTATTCATGGCGATTTAGAAGTCCGGGAATCTAATCTAACCACACGCCCTGCATTATGAAA
 GTGGATTCCCTCACAGGGGCACTTCTTTTCTTGGAGTCTCAGACAACCATTGGCTATGGGGTCCGTT
 CCATCACAGAGGAGTGTCCACGCTATCTTCTTGGTTGCCCACTGGTTCATCACCACCTTGATTGA
 AATCTTCATTACTGGAACCTTCTGGCCAAGATTGCAAGACCCAAAAGCGAGCCGAGACCATTAAAGTTC
 AGCCACTGCGCCGTCATCAGCAAGCAGAATGGGAAGCTATGCCTGGTTCATCCAGGTGGTAAACATGAGGA
 AGAGTCTCTTGAATTCAGTCCAGCTTCCGGAAAACCTCCAGACACATGTTACCAAAGAGGGGAGAGCG
 CATTCTCCTCAACCAGGCTACTGTCAAATTCAGTGGACTCCTTCCGAGAGTCCCTTTCTCATCCTG
 CCTATGACCTTCTACCATGTGTTGGATGAGACGAGCCCTGCGGGACCTCACACCCAGAACCTAAAGG
 AAAAGGAGTTTGAATTGGTGGTCTTCTCAATGCCACCGTGAATCCACCAGCGCAGTCTGCCAGAGCCG
 AACGTCTTACATCCCAGAGGAGATCTACTGGGCTTTGAGTTTGTGCCTGTGGTTTCTCTCCTCAAAAAT
 GGAAAGTATGTGGCTGATTTAGTCAATTTGAGCAGATCCGGAAGAGCCCGGATTGTACCTTCTACTGTG
 CGGATTCTGAGAAACAGAAGCTGAAGAGCAGTACAGGCAGGAGGACCAGAGGGAACGTGAGCTGAGGAG
 CCTTCTACTGCAGCAGAGCAACGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215192 representing NM_133321
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MVARWVKGS EDAPLALQKIPDLQSGPRSLRMEAIHIGMSSAPLVKHSNGVGLKAHRPRVMSKSGHSNVRI
 DKVDGIYLLYLQDLWTTVIDMKWRYKLTFAATFVMTWFLFGVYVYAIAFIHGDLELGESNSNHTPCIMK
 VDSL TGAF LFSLESQTTIGYGVRSITEECPHAI FLLVAQLVITTLIEIFITGTFLAKIARPKKRAETIKF
 SHCAVISKQNGKLC LVIQVANMRK SLLIQCQLSGKLLQTHVTKEGERILLNQATVKFHVDSSSESPFLIL
 PMTFYHVLDETSPLRDLTPQNLKEKEFELVLLNATVESTAVCQSRTSYIPEEIYWGFEFVPVVSLSKN
 GKYYADFSQFEQIRKSPDCTFYCADSEKQKLEEQYRQEDQRERELRSLLLQSSNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

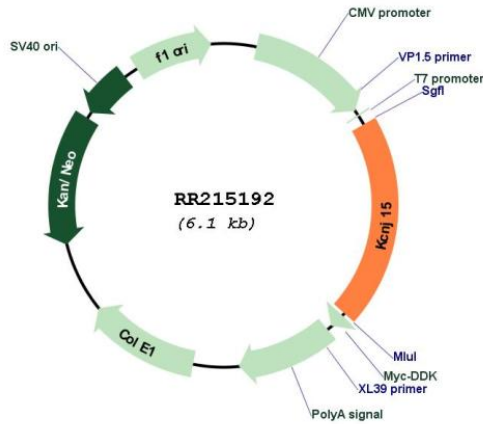
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133321

ORF Size:	1215 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_133321.2 , NP_579855.1
RefSeq Size:	1486 bp
RefSeq ORF:	1218 bp
Locus ID:	170847
UniProt ID:	Q91ZF1
Cytogenetics:	11q11
MW:	45.9 kDa
Gene Summary:	inwardly rectifying potassium channel involved in charge balance in the membrane during bile secretion [RGD, Feb 2006]