

Product datasheet for RR201207

Galr3 (NM_019173) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Galr3 (NM_019173) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Galr3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR201207 representing NM_019173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACATCCAGAACATTTTCGCTGGACAGCCAGGGAGCGTAGGGGCTGTGGCAGTGCCTGTGATCT
 TTGCCCTCATCTTCTGTTGGGCATGGTGGCAATGGGCTGGTGTGGCTGTGCTACTGCAGCCTGGCCC
 AAGTGCCTGGCAGGAGCCAAGCAGTACCACAGATCTTTCATCCTCAACTGGCCGTGGCCGACCTTTGC
 TTCATCCTGTGCTGCGTGCCTTCCAGGCAGCCATCTACACACTGGATGCCTGGCTCTTTGGGCTTTTCG
 TGTGCAAGACGGTACATCTGCTCATCTACCTCACCATGTATGCCAGCAGCTTACCCTGGCGGCCGTCTC
 CCTGGACAGGTACCTGGCTGTGCGGCACCCACTGCGCTCCAGAGCCCTGCGCACCCCGCGCAACGCGCGC
 GCCGCCGTGGGGCTCGTGTGGCTGCTGGCGCTCTCTTTCCGCGCCCTACCTAAGCTATTACGGCACGG
 TGGCTACGGCGCGCTCGAGCTCTGCGTGCCTGGTGGGAGGACGCGCGCGCGCGCTGGACGTGGC
 CACCTTCGCCGCGGGCTACCTGCTGCCGGTGGCCGTGGTGGAGCCTGGCCTACGGACGCACGCTATGTTTC
 CTATGGGCCCGCGTGGTCCCAGGGCGCGCGGCGCAGCAGAGGCGCGCAGACGGGCGACCGCGGGCGG
 GACGCGCCATGCTGGCAGTGGCCGCGCTCTACGCGCTTGTGGGCCCCGACCACGCGCTCATCTCTG
 CTTCTGGTACGGCCGCTTCGCCCTCAGCCCGGCCACCTACGCTGTGCGCTGGCCTGCGACTGCCTCGCC
 TACGCCAACTCCTGCCTAACCCGCTCGTCTACTCGCTCGCCTCGCGCCACTTCCGCGCGCGCTTCCGCC
 GCCTGTGGCCCTGCGGCCGTGCGCGCCACCGCCACCACCACCGCCTCATCGAGCCCTCCGTCGTGTCCA
 GCCGGCGTCTTCGGGCCCGCGGTTATCCCGGCGACGCCAGGCCTCGTGGTGGAGTATGGAGCCAGA
 GGGGATGCTCTGCGTGGTGGTGGAGAGACTAGACTAACCTGTCCCCAGGGGACCTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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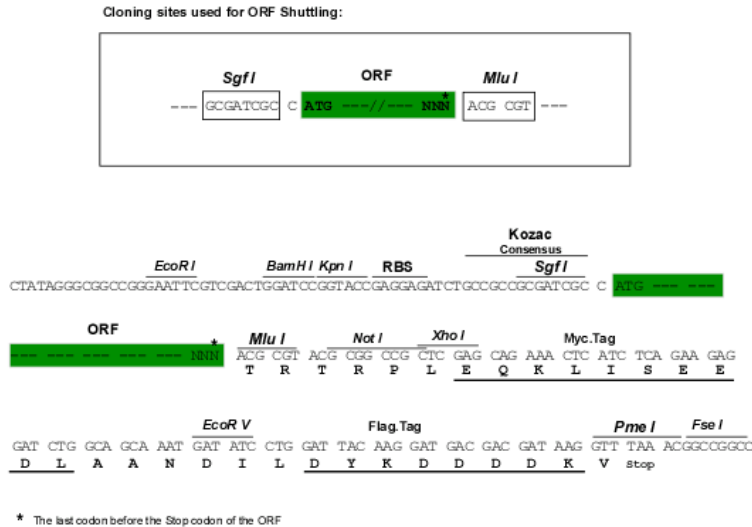
Protein Sequence: >RR201207 representing NM_019173
Red=Cloning site Green=Tags(s)

MADIQNISLDSPGSVGAVAVPVIFALIFLLGMVGNGLVLAVLLQPGPSAWQEPSSTTDLFILNLAVADLC
 FILCCVPFQAAIYTLDAWLFGAFVCKTVHLLIYLTMYASSFTLAAVSLDRYLAVRHPLRSRALRTPRNAR
 AAVGLVWLLAALFSAPYLSYYGTVRYGALELCVPAWEDARRRALDVATFAAGYLLPVAVVSLAYGRTLCLF
 LWAAVGPAGAAAAEARRRATGRAGRAMLAVAALYALCWGPHHALILCFWYGRFAFSPATYACRLASHCLA
 YANSCLNPLVYSLASRHFRAFRRLLWPCGRRRRHRHHRAHRALRRVQPASSGPAGYPGDARPRGWSMEPR
 GDALRGGGETRLTLSPRGPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019173

ORF Size: 1110 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:

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_019173.1](#), [NP_062046.1](#)

RefSeq Size: 1163 bp

RefSeq ORF: 1113 bp

Locus ID: 29235

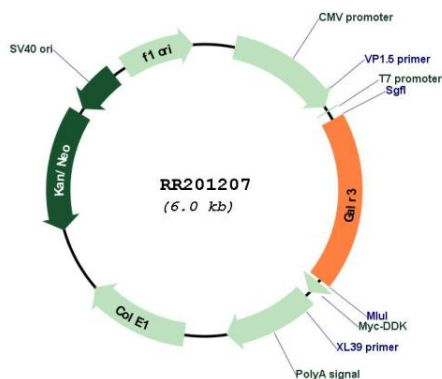
UniProt ID: [O88626](#)

Cytogenetics: 7q34

MW: 40.3 kDa

Gene Summary: binds galanin; mediates activation of GIRK1 and GIRK4 channel inward K⁺ currents; may play a role in neurotransmitter release [RGD, Feb 2006]

Product images:



Circular map for RR201207