

Product datasheet for **RR206543**

Galr1 (NM_012958) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galr1 (NM_012958) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Galr1
Synonyms:	Galnr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206543 representing NM_012958 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGA**ACTGGCTCCGGTGAACCTCAGTGAAGGGAATGGGAGCGACCTGAACCTCCAGCGGAACCCAGGC**
CGCTCTTCGGCATCGGC**TGGAGA**ACTT**CATCACGCTGGTGGT**TTTTGGCCTATTTTCGGATGGCGT
GCTGGCAACAGCCTGGT**GATCACCGT**GCTGGCGCGAGCAAACCGGGCAAGCCGCGCAGCACCACCAAC
CTGTT**CATCCTCAACCTGAGCATCGCAGACCTGGCCTACCTGCTCTTCTGCATCCCTTCCAGGCCACCG**
TGTACGCACTGCCACCTGGGTGCTGGGCGCCTT**CATCTGCAAGTTTATACACTACTTCTCACCGTGTC**
CATGCTCGTGAGCATCTTACCCTGGCCGCGATGTCTGTGGATCGCTATGTGGCCATTGTGCATTACCGG
CGCTCCTCCTCCCTCAGGGTGTCCCGCAACGCGCTGCTGGGCGTGGGCTT**CATCTGGGCGCTGCCATCG**
CTATGGCCTCGCCGGTGGCCTACTACCAGCGCCTTTTTCATCGGGACAGCAACCAACCTTCTGCTGGGA
GCACTGGCCCAACCAACTCCACAAGAAGGCTTACGTGGTGTGCACTTTCGCTTTGGTTACCTTCTGCC
TTACTGCTCATCTGCTTTTGCTATGCCAAGTTCTCAATCATCTGCATAAAAAGTTGAAGAACATGTCAA
AAAAGTCAGAGGCATCCAAGAAAAGACTGCACAGACTGCTGGTGGTGTGGTATTTGGC**CATATC**
ATGGCTGCCCATCATGTATCCACCTCTGGGCTGAGTTCGGAGCATTCCCGCTGACCCAGCTTCCCTT
TTCTT**CAGAATCACTGCCACTGCCTGGCATA**AGCAACTCCTCGGTGAACCCCATCATCTACGCCTTTC
TCTCAGAAA**ACTCCGGAAGGCGTACAAGCAAGT**GTTCAAGTGCCTGTTTGAATGAGTCGCCGACCG
CGATGCTAAAGAAAAGAACCGAATAGATACCCCGCCTCCACCAACTGCACCCACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR206543 representing NM_012958
 Red=Cloning site Green=Tags(s)

MELAPVNLSENGSDPEPPAEPRLFGIGVENFITLVVFGILIFAMGVLGNSLVITVLARSKPGKPRSTTN
 LFILNLSIADLAYLLFCIPFQATVYALPTWVLGAFICKFIHYFFTVSMLVSIFTLAAMSVDRYVAIVHSR
 RSSSLRVSRNALLGVGF IWALS IAMASPVAYYQRLFHRDSNQTFWEHWPQLHKKAYVVCVFVFGYLLP
 LLLICFCYAKVLNHLHKKLKNMSKKSEASKKTAQTVL VVVVVFGISWLPHHVIHLWAEFGAFPLTPASF
 FFRITAHCLAYSNSSVNP I IYAF LSENFRKAYKQVFKRCV CNESPHGDAKEKNRIDTPPSTNCTHV

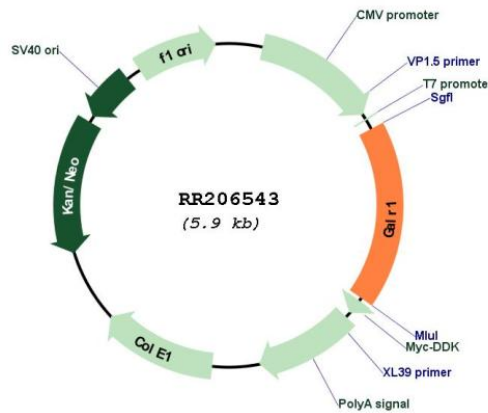
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012958

ORF Size: 1038 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_012958.3
RefSeq Size:	2251 bp
RefSeq ORF:	1041 bp
Locus ID:	50577
UniProt ID:	Q62805
Cytogenetics:	18q12.3
MW:	38.9 kDa
Gene Summary:	G-protein coupled receptor that binds the neuropeptide galanin; inhibits cAMP formation [RGD, Feb 2006]